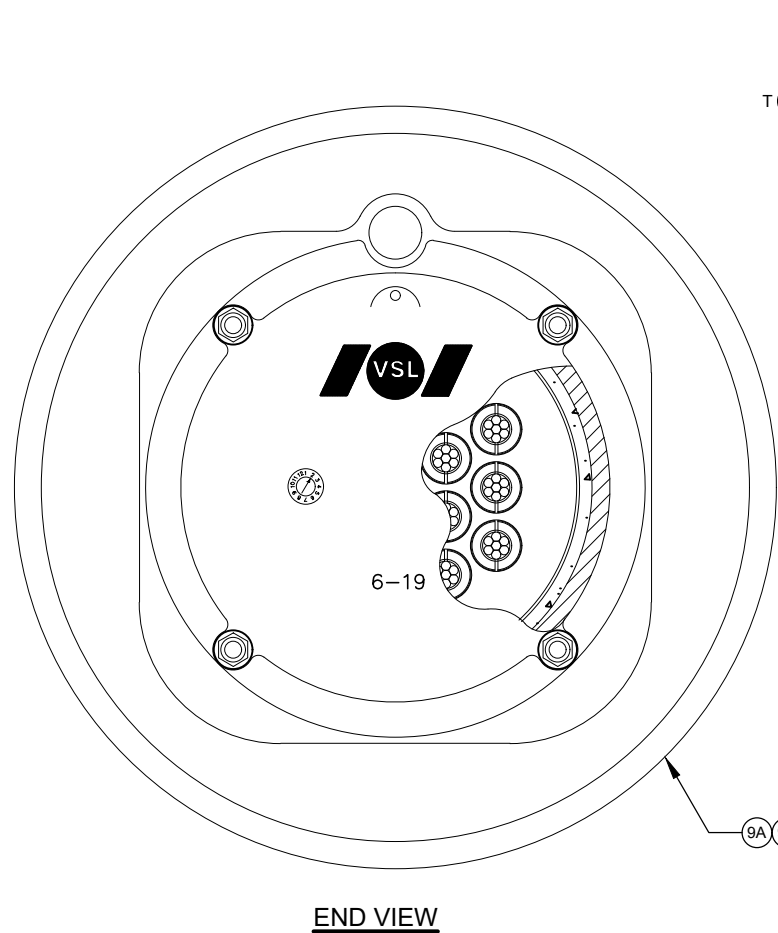
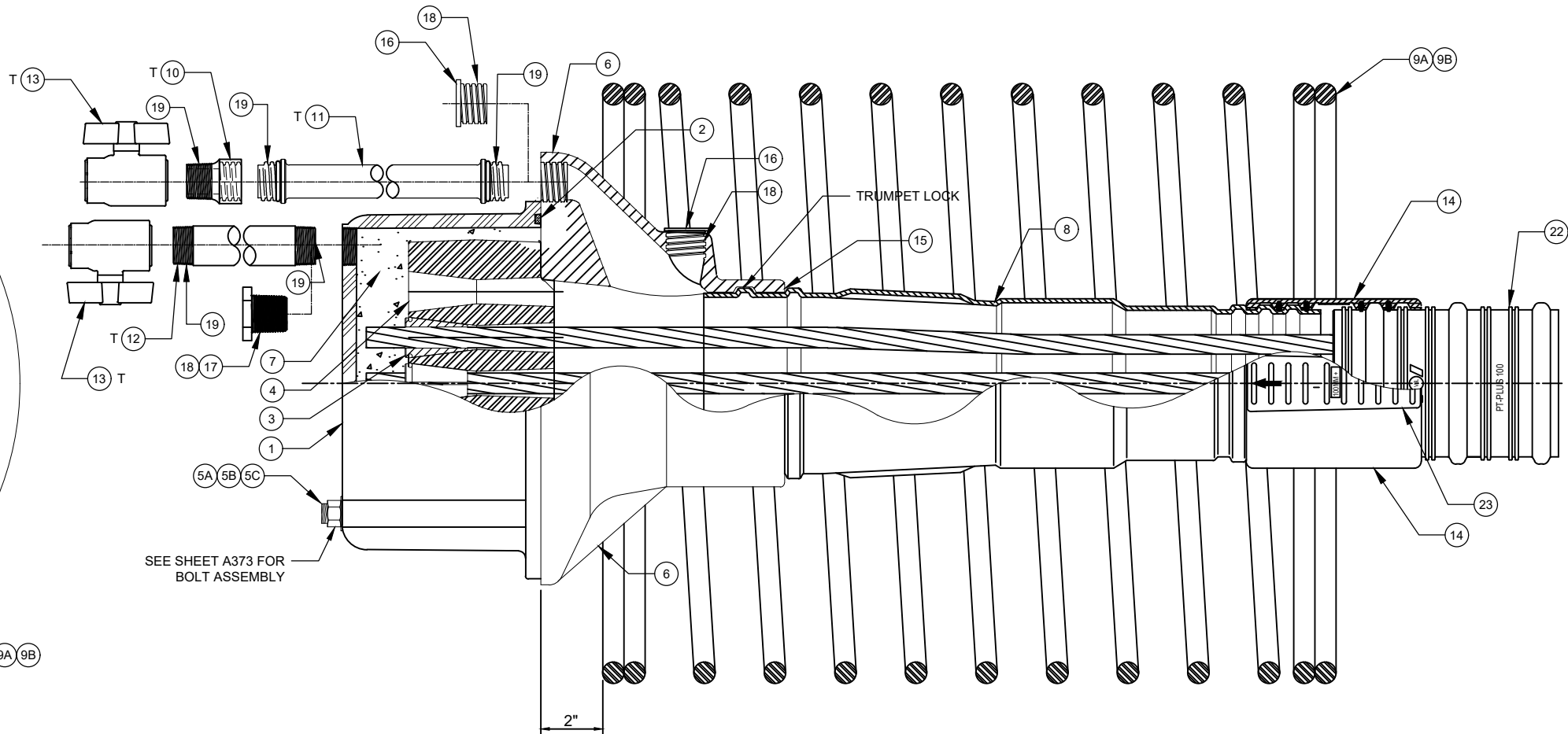


ELECTRONIC FILE LOCATION: \\VSL\System Drawings\Work in Progress Drawings\Florida DOT Test 2017\ECI 6-19 Grouted System

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY #
1	1	6-19 ANCHORAGE CAP W/ 3/4" HORIZONTAL NPT PORT	ABS	02GC61901V
2	1	6-19 GROUT CAP O-RING (.210 CS X 8.975" ID #373)	BUNA-N 70 D	02WX6020
3	19	1.6G WEDGE .6 1.77 W/GROOVE	AISI 11-L-17 / 12-L-14	02WG0008
4	1	ECI 6-19 ANCHOR HEAD	A536 GR80-55-06	02AH0038
5A	1 SET	1/2"-13 THREADED ROD X 7"	(316L) STAINLESS	02WX5033D
5B	1 SET	1/2"-13 NUT	(316L) STAINLESS	02WX5033D
5C	1 SET	1/2" WASHER	(316L) STAINLESS	02WX5033D
6	1	ECI 6-19 GALV BEARING PLATE W/ 23MM PORT	A536 GR80-55-06	02BP0038
7	-	GROUT	PREMIUM NON-BLEED	-
8	1	ECI 6-19 TRUMPET	HDPE	02BP4322
9A	1	SPIRAL ECI 6-19 5500 (#5 15" DIA., 10 1/2 TURNS, 2" PITCH)	A615 GR 60	02BP0094
9B	1	SPIRAL ECI 6-19 3500 (#5 17" DIA., 11 1/2 TURNS, 2" PITCH)	A615 GR 60	02BP0093
10	1	BR PLATE BUSHING 3/4" NPT 23MM	POLYPROPYLENE	02DT0316
11	1	23MM BP GROUT EXTENSION	POLYPROPYLENE	02DT0318
12	1	3/4" NPT PP NIPPLE	SCH 80 POLYPROPYLENE	-
13	1	3/4" NPT PVC 1/4 TURN BALL VALVE	SCH 80 PVC	02DT01916
14	2	COUPLER HALF, 100MM PT-PLUS	HDPE	02DT0044
15	-	BONDUIT - SEAL AID 1/4" ALL AROUND	-	-
16	1	BEARING PLATE GROUT PLUG 23MM	HDPE	02DT0341
17	1	3/4"Ø NPT PE PLUG	POLYETHYLENE	02DT01913
18	-	BONDUIT	-	-
19	-	SILICONE GREASE	-	-
22	-	DUCT, WHT PP, 100MM PT-PLUS	ASTM D4101	02DT0443
23	2	COUPLER CLAMP, 100/130MM PT-PLUS	POLYPROPYLENE	02DT0046



END VIEW

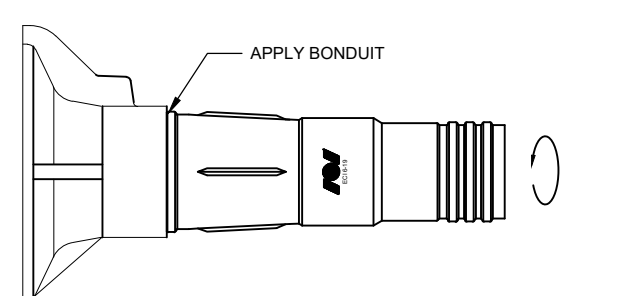
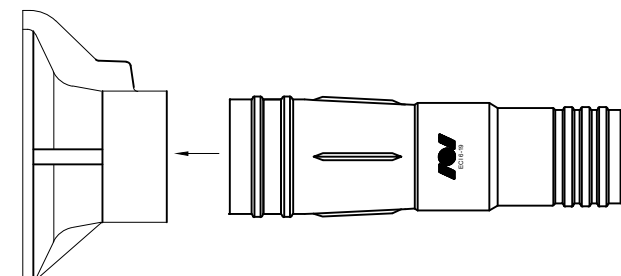


ELEVATION VIEW

NOTE: ITEMS MARKED WITH A "T" ARE TEMPORARY AND ARE NOT A PERMANENT PART OF THE SYSTEM.

INSTALLATION PROCEDURES (INSTALLATION PROCEDURE IS GENERIC. FOLLOW THE PROJECT SPECIFIC REQUIREMENTS AND THE FDOT SPECIFICATIONS)

- PRE-ASSEMBLE TRUMPET INTO THE BEARING PLATE. APPLY 1/4" BONDUIT ALL AROUND LIP OF BEARING PLATE PRIOR TO INSTALLING TRUMPET. USE SLOT TO ALIGN PLATE AND TRUMPET. INSERT TRUMPET UNTIL LOCKING TABS ENGAGE.
- LIGHTLY GREASE ANCHORAGE CAP BOLTS. USE MOUNTING HOLES IN BEARING PLATE TO MOUNT BEARING PLATE ASSEMBLY TO FORM. SECURE BEARING PLATE ASSEMBLY WITH ANCHORAGE CAP BOLTS. USE CARE NOT TO DAMAGE THREADS.
- INSTALL AND SECURE SPIRAL.
- INSTALL FILLER PORT CONNECTIONS. SEAL ALL TEMPORARY CONNECTIONS WITH PIPE DOPE/SILICONE GREASE (BY OTHERS), AND SEAL ALL PERMANENT CONNECTIONS WITH BONDUIT OR SIMILAR (BY OTHERS).
- SECURE DUCT SUPPORTS @ 2' MAX. INSERT MANDRELS INTO TRUMPETS.
- PER FDOT SPECIFICATION SECTION 462-8.2.1.2, A VACUUM TEST IS REQUIRED PRIOR TO CONCRETE PLACEMENT.
- CONCRETE PLACEMENT OCCURS BY OTHERS.
- INSTALL STRAND. LEAVE SUFFICIENT STRAND FOR STRESSING EQUIPMENT.
- INSTALL ANCHOR HEADS. MAKE SURE WEDGE CAVITIES ARE CLEAN AND RUST FREE. USE WIRE BRUSH TO CLEAN IF NECESSARY.
- ONLY STRESS STRANDS IF CONCRETE HAS REACHED REQUIRED STRENGTH SPECIFIED ON DRAWINGS.
- ELONGATION SHOULD BE WITHIN ±7%.
- AFTER ENGINEERS APPROVAL, STRAND TAILS MAY BE CUT.
- AFTER FORM WORK IS REMOVED, USE MOUNTING BOLTS TO INSTALL ANCHORAGE CAP. REINSTALL O-RING INTO ANCHORAGE CAP.
- SYSTEM IS NOW READY TO AIR TEST.
- PER THE FDOT SPECIFICATION SECTION 462-8.2.2, A SECOND AIR PRESSURE TEST IS REQUIRED AFTER STRAND STRESSING AND PRIOR TO GROUT INJECTION.
- GROUT TENDON PER GROUT SPEC.



TRUMPET INSTALLATION

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NO	DESCRIPTION	BY	CHK	DATE
4 <td>TITLE BLOCK UPDATED <td>CDL <td>ZX <td>03AUG2018</td> </td></td></td>	TITLE BLOCK UPDATED <td>CDL <td>ZX <td>03AUG2018</td> </td></td>	CDL <td>ZX <td>03AUG2018</td> </td>	ZX <td>03AUG2018</td>	03AUG2018
3 <td>SPIRAL NOTES <td>GY <td>DD <td>07JUN2011</td> </td></td></td>	SPIRAL NOTES <td>GY <td>DD <td>07JUN2011</td> </td></td>	GY <td>DD <td>07JUN2011</td> </td>	DD <td>07JUN2011</td>	07JUN2011
2 <td>ADDED ITEM 1A TO BOM AND ADDED NOTE <td>GY <td>MM <td>18NOV2010</td> </td></td></td>	ADDED ITEM 1A TO BOM AND ADDED NOTE <td>GY <td>MM <td>18NOV2010</td> </td></td>	GY <td>MM <td>18NOV2010</td> </td>	MM <td>18NOV2010</td>	18NOV2010
1 <td>APPROVED FOR CONSTRUCTION <td>GDH <td>ZX <td>05APR2006</td> </td></td></td>	APPROVED FOR CONSTRUCTION <td>GDH <td>ZX <td>05APR2006</td> </td></td>	GDH <td>ZX <td>05APR2006</td> </td>	ZX <td>05APR2006</td>	05APR2006

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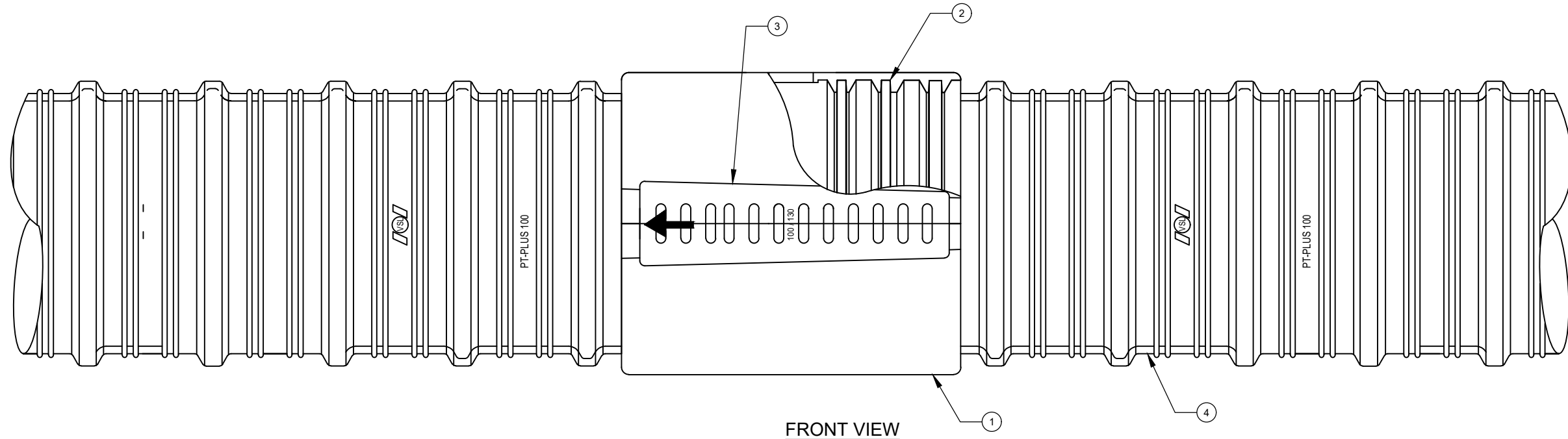
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PROJECT INFORMATION:	SYSTEM DRAWING
PROJECT NO: SYSTEM	SCALE: NTS
SHEET NO:	A153
TITLE: ECI 6-19 INTERNAL TENDON W/ 100MM PT-PLUS DUCT ASSEMBLY	

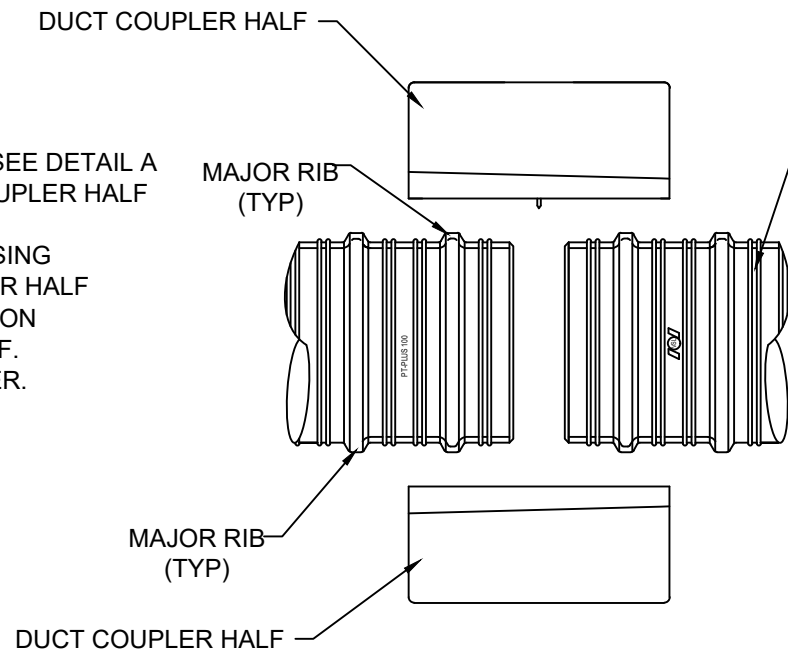
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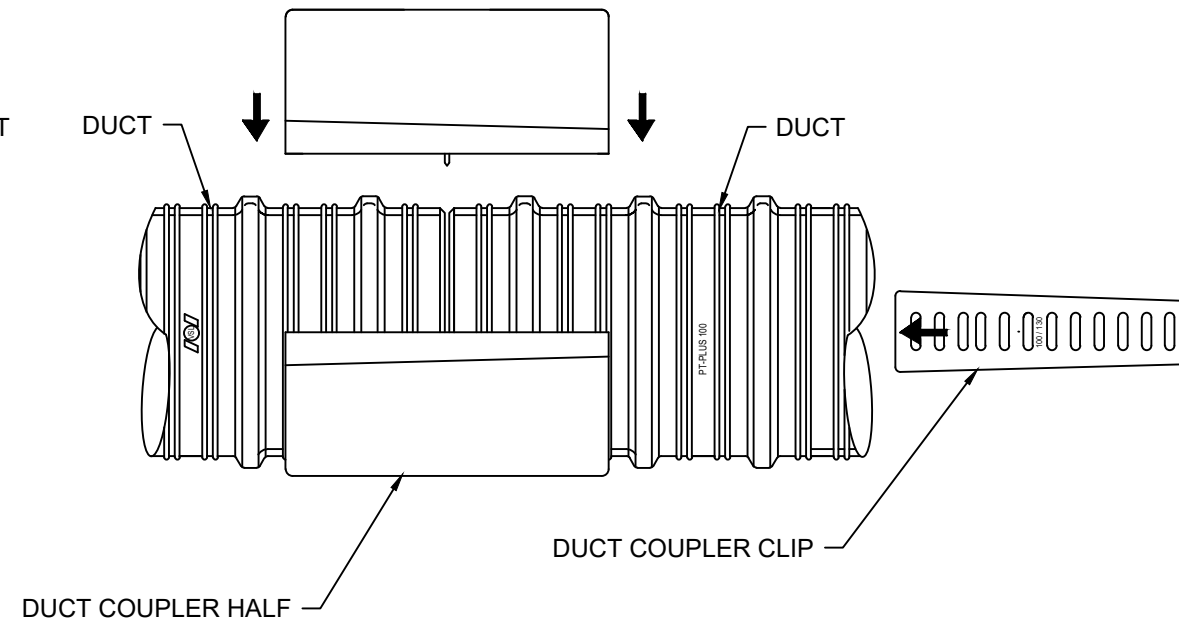
FRONT VIEW

INSTALLATION PROCEDURES

- 1) CUT DUCT HALF WAY BETWEEN 2 MAJOR RIBS SEE DETAIL A
- 2) INSTALL DUCT INTO COUPLER HALF. PLACE COUPLER HALF OVER MAJOR RIB. SEE DETAIL B
- 3) PLACE SECOND COUPLER HALF OVER DUCT, USING INTERLOCKING PINS TO CENTER SECOND COUPLER HALF
- 4) PARTIALLY INSTALL COUPLER CLIPS IN DIRECTION INDICATED BY ARROWS SHOWN ON COUPLER HALF.
- 5) INSURE BOTH DUCTS ARE SECURED IN COUPLER.
- 6) FINISH INSTALLATION OF CLIPS.



DETAIL A



DETAIL B

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY NUMBER
4		DUCT, WHT PP, 100 MM PT-PLUS	ASTM D4101	02DT0443
3	2	COUPLER CLAMP, 100 MM PT-PLUS	ASTM D4101	02DT0046
2	2	SEAL (INCLUDED IN COUPLER HALF)		INCLUDED W/ 02DT0044
*1	2	COUPLER HALF, 100 MM PT-PLUS	ASTM D4101	02DT0044

* SEE SHEET C623 FOR COUPLER HALF, 100 MM PT-PLUS VENTED

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CDL	ZX	DATE
SAN	MM	31JAN2012
SAN	MM	06JUN2010
SAN	MM	27MAY2010
BY	CHK	DATE

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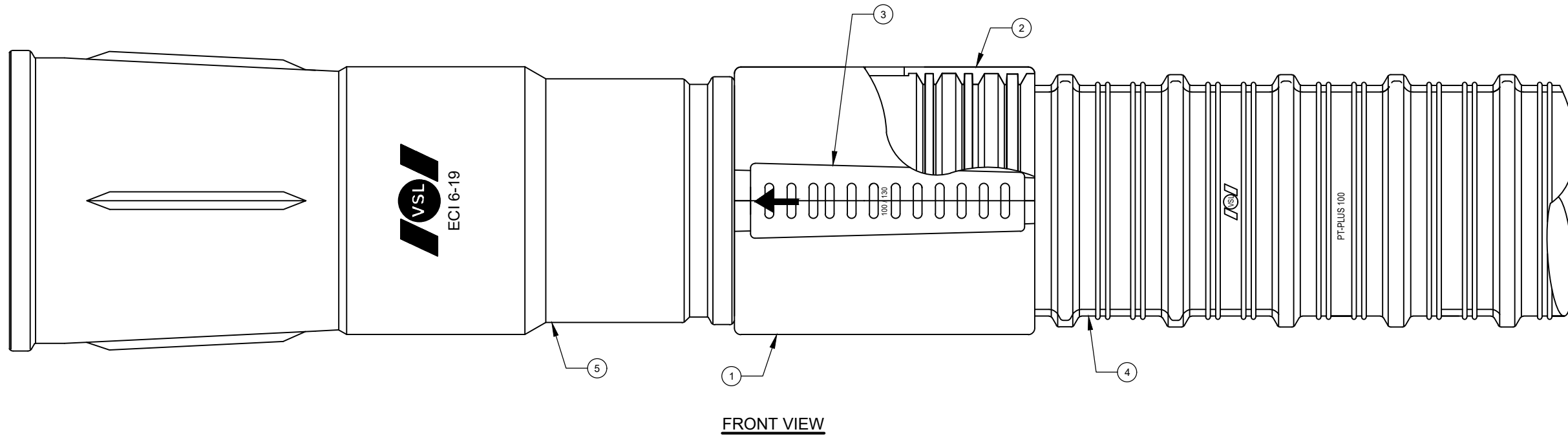
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FORT WORTH, TX 76156

PROJECT INFORMATION:	SYSTEM DRAWING	TITLE: 100MM PT-PLUS DUCT TO DUCT CONNECTION
PROJECT NO: SYSTEM	SCALE: NTS	
SHEET NO: A275		

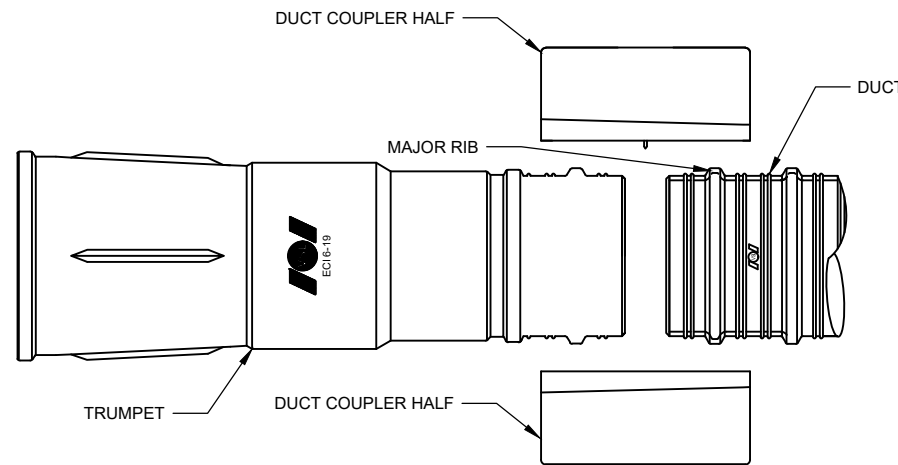
ELECTRONIC FILE LOCATION: \\VSL\System Drawings\Work in Progress Drawings\Florida DOT Test 2017\ECI 6-19 Coupled System



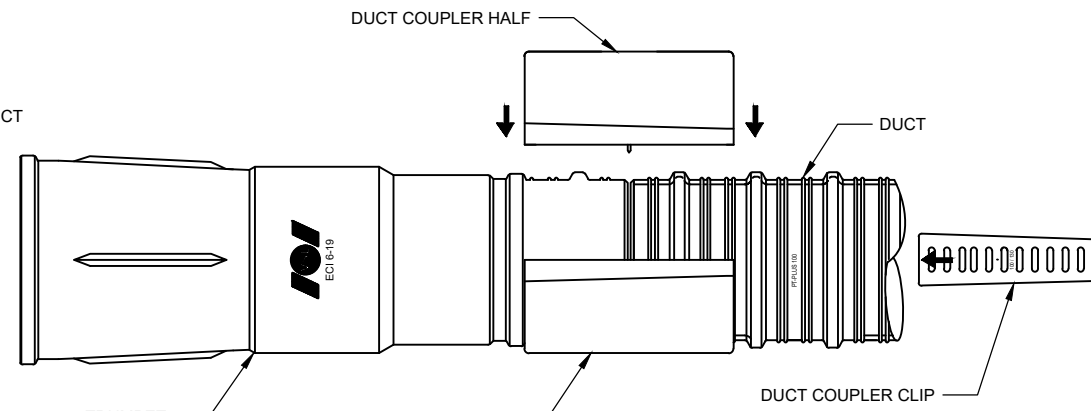
FRONT VIEW

INSTALLATION PROCEDURES

- 1) CUT DUCT HALF WAY BETWEEN 2 MAJOR RIBS SEE DETAIL A
- 2) INSTALL DUCT INTO COUPLER HALF. PLACE COUPLER HALF OVER MAJOR RIB. SEE DETAIL B
- 3) PLACE SECOND COUPLER HALF OVER DUCT, USING INTERLOCKING PINS TO CENTER SECOND COUPLER HALF
- 4) PARTIALLY INSTALL COUPLER CLIPS IN DIRECTION INDICATED BY ARROWS SHOWN ON COUPLER HALF.
- 5) INSURE BOTH TRUMPET AND DUCT ARE SECURED IN COUPLER.
- 6) FINISH INSTALLATION OF CLIPS.



DETAIL A



DETAIL B

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY NUMBER
5	1	ECI 6-19 TRUMPET	HDPE	02BP4322
4		DUCT, WHT PP, 100 MM PT-PLUS	ASTM D4101	02DT0443
3	2	COUPLER CLAMP, 100 MM PT-PLUS	ASTM D4101	02DT0046
2	2	SEAL (INCLUDED IN COUPLER HALF)		INCLUDED W/ 02DT0044
*1	2	COUPLER HALF, 100 MM PT-PLUS	ASTM D4101	02DT0044

* SEE SHEET C623 FOR COUPLER HALF, 100 MM PT-PLUS VENTED PART NUMBER 02DT0045

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PROJECT INFORMATION:

SYSTEM DRAWING

PROJECT NO: SYSTEM
SCALE: NTS
SHEET NO: A276



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TITLE: TYPICAL ECI 6-19 TRUMPET TO 100MM PT-PLUS DUCT CONNECTION

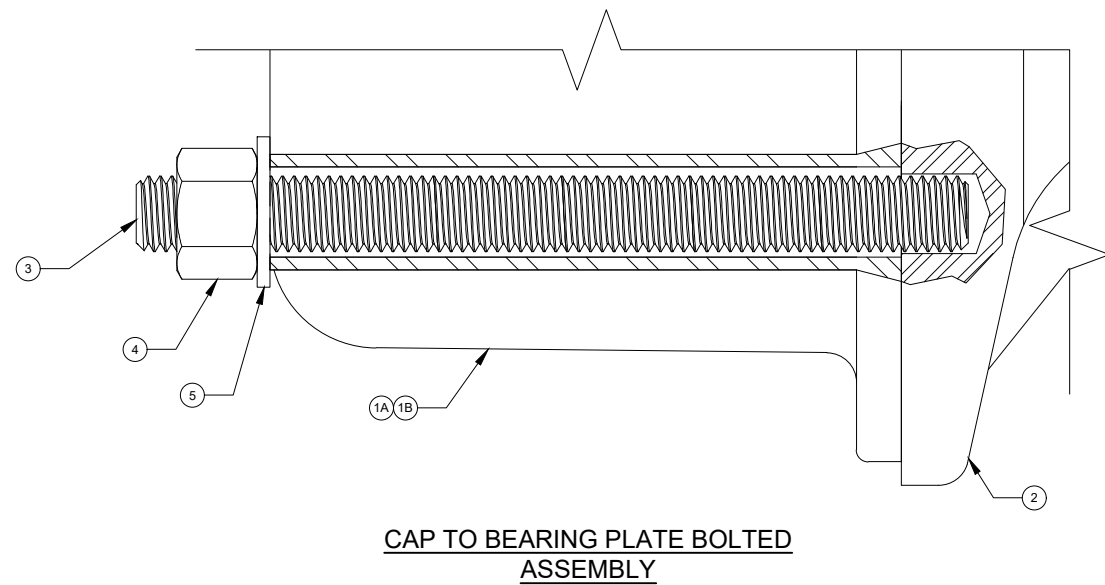
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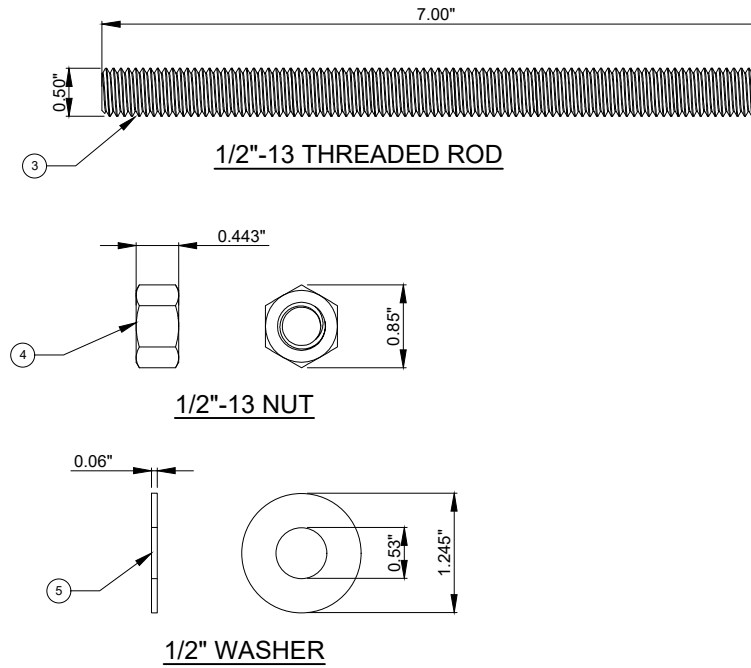
ISSUED FOR CONSTRUCTION
DESCRIPTION

CDL ZK

BY SAN
CHK MM
DATE 18APR2018




CAP TO BEARING PLATE BOLTED ASSEMBLY

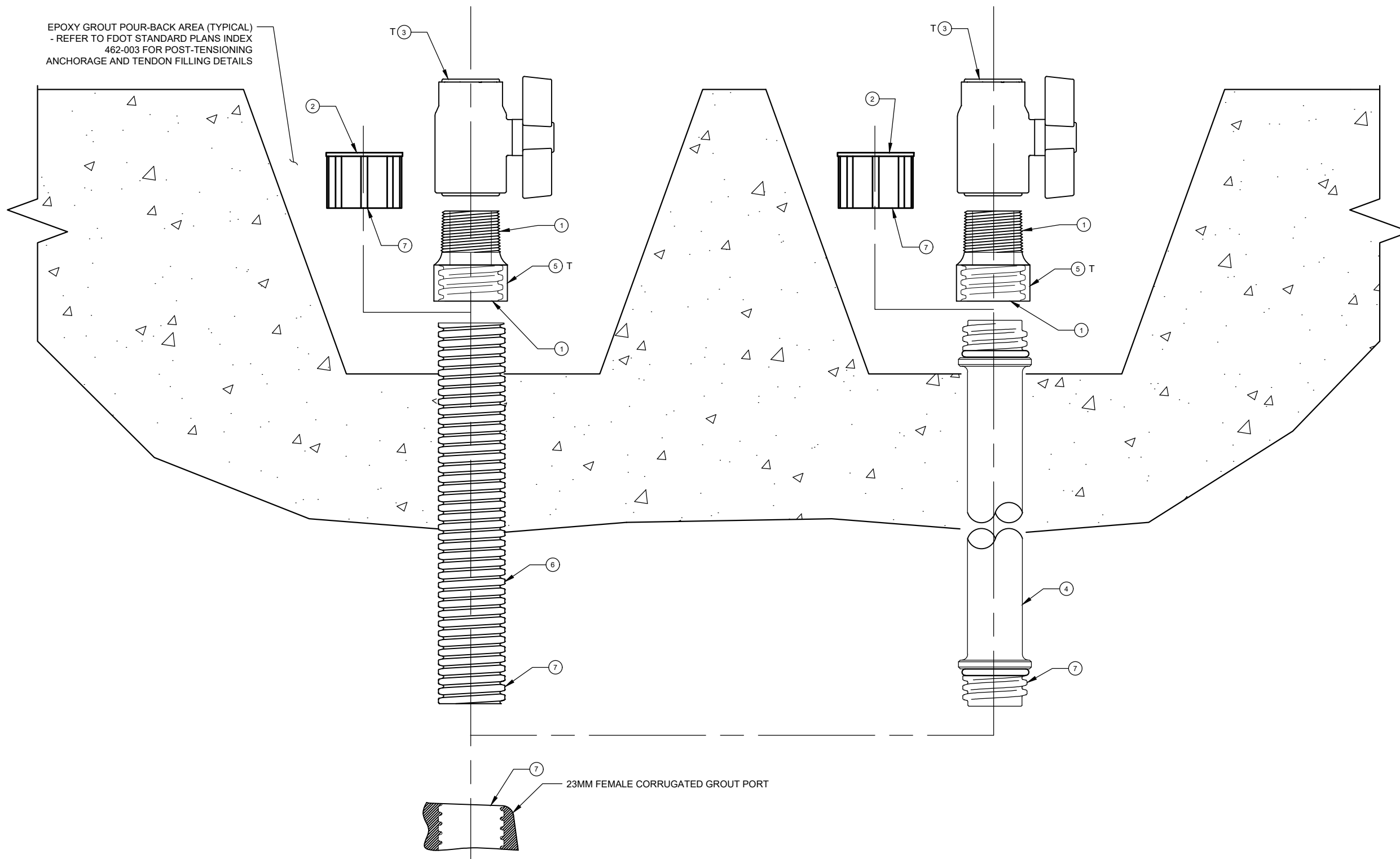


ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY #
1A	1	6-19 GROUT CAP W/ 3/4" HORIZONTAL PORT	ABS	02GC61901V
1B	1	6-19 GROUT CAP W/ 3/4" VERTICAL PORT	ABS	02GC61901
2	1	ECI 6-19 BEARING PLATE W/ 23MM PORT, GALV	A536 GR 80-55-06	02BP0038
3	1 SET	1/2"-13 THREADED ROD X 7"	(316L) STAINLESS	02WX5033D
4	1 SET	1/2"-13 NUT	(316L) STAINLESS	02WX5033D
5	1 SET	1/2" WASHER	(316L) STAINLESS	02WX5033D

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		PROJECT NO: --	SCALE: NTS	SHEET NO: A373	FOR APPROVAL NO
		CDL	ZX	BY	DATE
		17 JUL 2018			

ELECTRONIC FILE LOCATION: I:\VSL System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-22 Grouted System



EPOXY GROUT POUR-BACK AREA (TYPICAL)
- REFER TO FDOT STANDARD PLANS INDEX
462-003 FOR POST-TENSIONING
ANCHORAGE AND TENDON FILLING DETAILS

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY #
1	-	SILICONE GREASE	-	-
2	1	23MM GROUT HOSE CAP	HDPE	02DT0314
3	1	3/4 NPT PVC 1/4 TURN BALL VALVE	SCH 80 PVC	02DT01916
4	1	23MM BP GROUT EXTENSION	POLYPROPYLENE	02DT0318
5	1	BR PLATE BUSHING 3/4" NPT 23MM	POLYPROPYLENE	02DT0316
6	-	23MM GROUT HOSE	HDPE	02DT0310
7	-	BONDUIT	-	-

- NOTES:
1. ITEMS MARKED WITH A "T" ARE TEMPORARY AND ARE NOT A PERMANENT PART OF THE SYSTEM.
 2. ALL COMPONENTS MUST BE PRESSURE RATED FOR 150 PSI
 3. MINIMUM CONCRETE COVER SHALL BE 2" AND MUST MEET FDOT STRUCTURES DESIGN GUIDELINES SECTION 1.4.2
 4. COMPONENTS MAY BE ASSEMBLED AS A VENT OR A DRAIN AS REQUIRED.

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PROJECT INFORMATION:

SYSTEM DRAWING

GROUT VENT CONFIGURATION USING CORRUGATED GROUT PORT

PROJECT NO: SYSTEM

SCALE: NTS

SHEET NO: **A362**

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DATE: 31 JUL 2018

CDL ZX

BY: CHK

DESCRIPTION: FIRST ISSUE

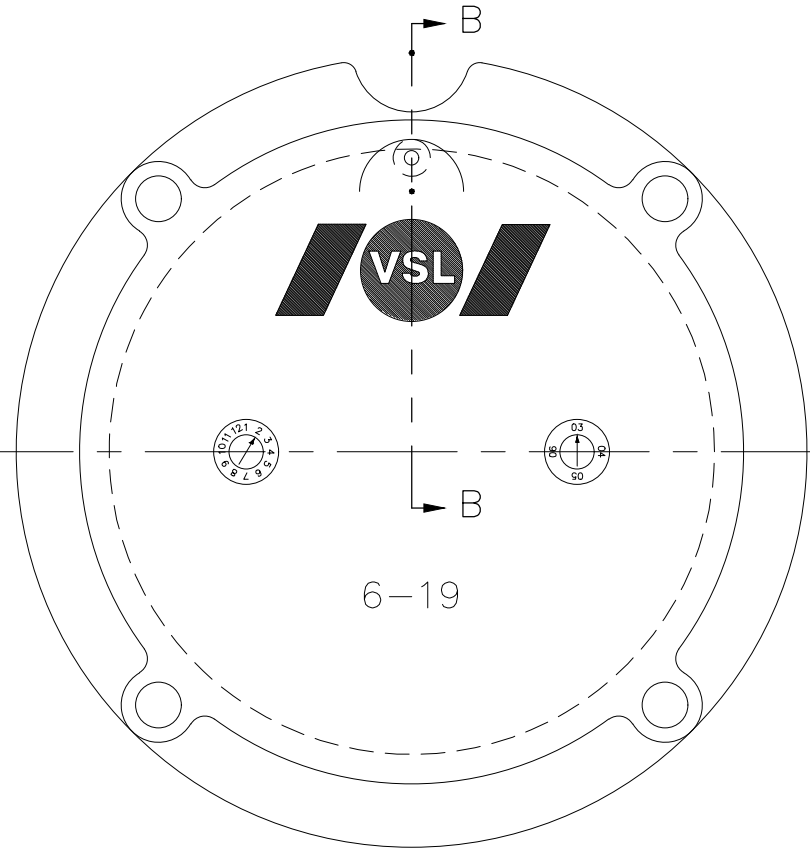
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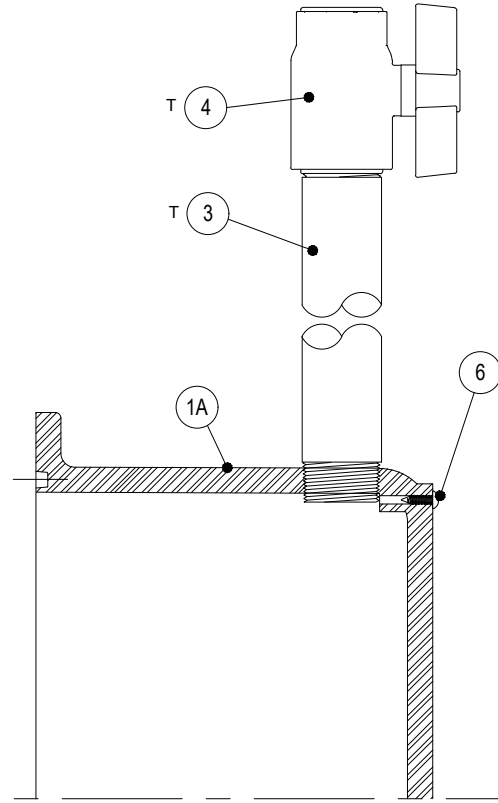
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FORT WORTH, TX 76156

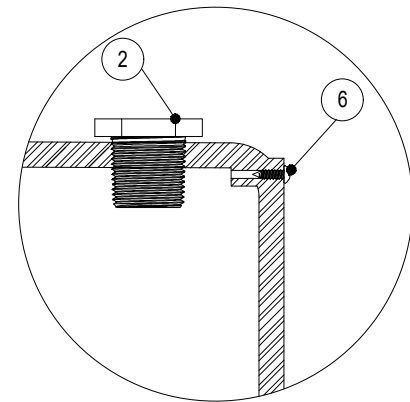
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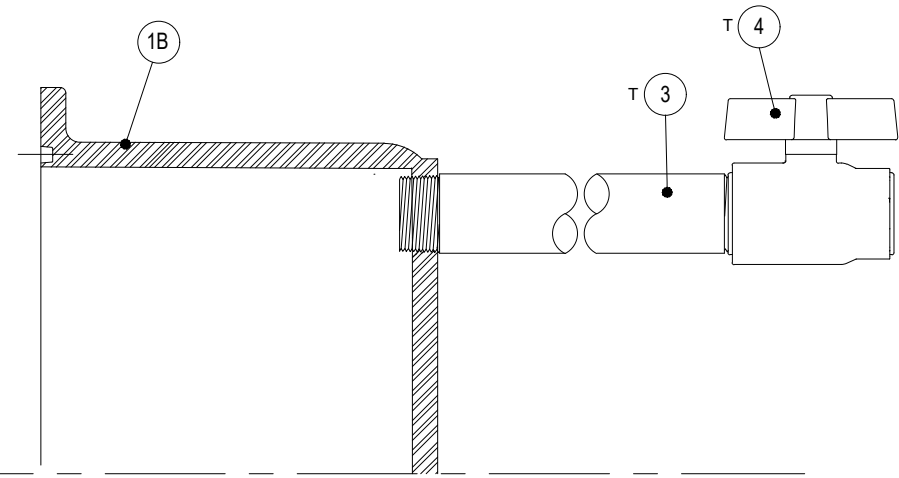
6-19 GROUT CAP



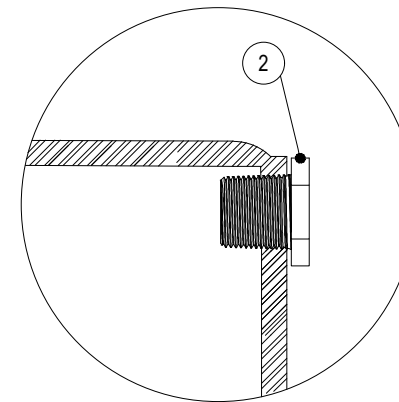
VERTICAL PORT



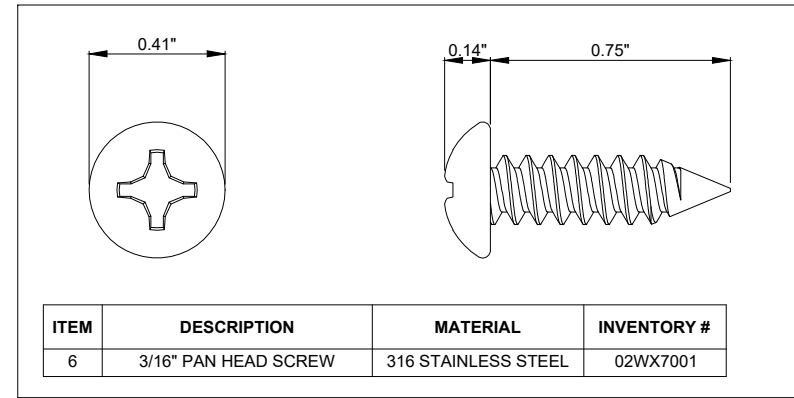
AFTER GROUT



HORIZONTAL PORT



AFTER GROUT



ITEM	DESCRIPTION	MATERIAL	INVENTORY #
6	3/16" PAN HEAD SCREW	316 STAINLESS STEEL	02WX7001

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY
6	1	3/16" PAN HEAD SCREW	316 STAINLESS STEEL	02WX7001
4	2	3/4" NPT PVC 1/4 TURN BALL VALVE	SCH 80 PVC	02DT01916
3	1	3/4" NPT PP NIPPLE	SCH 80 POLYPROPYLENE	-
2	1	3/4" NPT PE PLUG	POLYETHYLENE	02DT01913
1B	1	6-19 GROUT CAP W/ 3/4" HORIZONTAL PORT	ABS	02GC61901V
1A	1	6-19 GROUT CAP W/ 3/4" VERTICAL PORT	ABS	02GC61901

NOTE: ITEMS MARKED WITH A "T" ARE TEMPORARY AND ARE NOT A PERMANENT PART OF THE SYSTEM.

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PROJECT INFORMATION:	SYSTEM DRAWING	TITLE: ECI 6-19 GROUT CAP ALTERNATIVE VENT DETAIL
	PROJECT NO: --	SCALE: NTS
SHEET NO: A369		
<p>STRUCTURAL TECHNOLOGIES, LLC CLAIMS A STRICT PROPRIETARY RIGHT IN ALL DRAWINGS, SPECIFICATIONS AND CALCULATIONS ("INFORMATION") SET FORTH ON THIS SHEET. THE USE OF SUCH INFORMATION IN WHOLE OR IN PART, OR ANY REPRODUCTION THEREOF, IS STRICTLY PROHIBITED. THE MATERIAL WAS PREPARED AND TO THE MATERIAL AND/OR SERVICE PROVIDED BY STRUCTURAL TECHNOLOGIES / VSL. ANY OTHER USE IS STRICTLY PROHIBITED, AND STRUCTURAL TECHNOLOGIES / VSL DISCLAIMS ANY LIABILITY THEREFORE.</p>		
2	TITLE BLOCK UPDATED	NO
1	VENT DETAILS	NO
0	3/4" GROUT PORTS	NO
	DESCRIPTION	
CDL	ZX	28JUN2018
DTS	DD	03JULY2012
DTS	DD	18MAY2012
BY	CHK	DATE

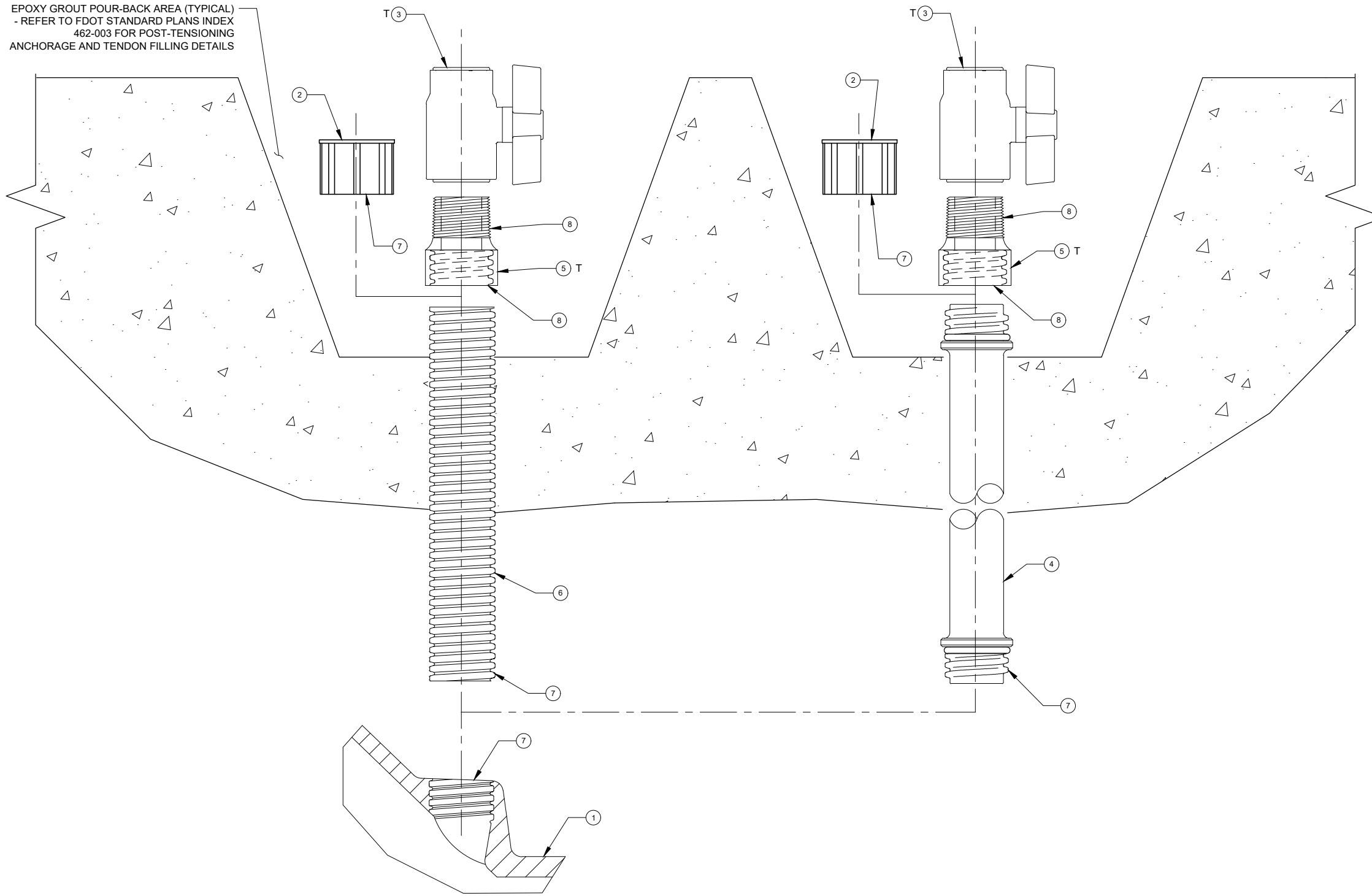
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A Structural Group Company

Dallas, TX / Washington, DC / Denver, CO / Pompano Beach, FL

PHONE: (817) 545-4877
FAX: (817) 545-4827
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STRUCTURAL TECHNOLOGIES, LLC
DALLAS OFFICE
15000 TRINITY BLVD, SUITE 118
FORT WORTH, TX 76156

EPOXY GROUT POUR-BACK AREA (TYPICAL)
- REFER TO FDOT STANDARD PLANS INDEX
462-003 FOR POST-TENSIONING
ANCHORAGE AND TENDON FILLING DETAILS



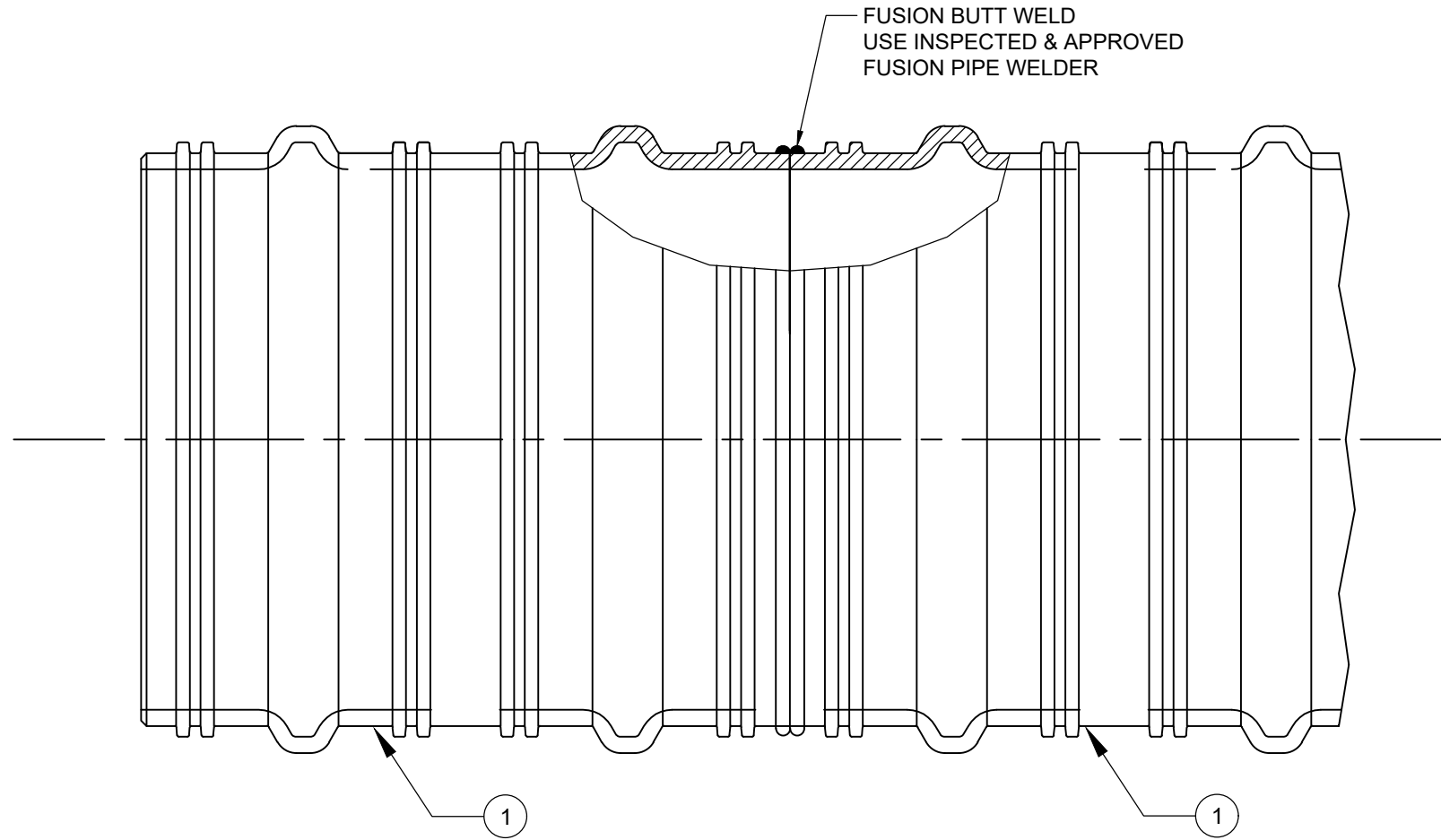
NOTES:

- ITEMS MARKED WITH A "T" ARE TEMPORARY AND ARE NOT A PERMANENT PART OF THE SYSTEM.
- ALL COMPONENTS MUST BE PRESSURE RATED FOR 150 PSI
- MINIMUM CONCRETE COVER SHALL BE 2" AND MUST MEET FDOT STRUCTURES DESIGN GUIDELINES SECTION 1.4.2
- COMPONENTS MAY BE ASSEMBLED AS A VENT OR A DRAIN AS REQUIRED.
- BEARING PLATE SHOWN IS GENERIC. THESE INJECTION OPTIONS WILL WORK WITH ECI 6-7, ECI 6-12, ECI 6-19, ECI 6-22, NCS 6-27, AND NCS 6-31. USE BEARING PLATE REQUIRED FOR SPECIFIC JOB.

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY #
1	1	ECI 6-19 GALV BEARING PLATE W/ 23MM PORT	A536 GR80-55-06	02BP0038
2	1	23MM GROUT HOSE CAP	HDPE	02DT0314
3	1	3/4 NPT PVC 1/4 TURN BALL VALVE	SCH 80 PVC	02DT01916
4	1	23MM BP GROUT EXTENSION	POLYPROPYLENE	02DT0318
5	1	BR PLATE BUSHING 3/4" NPT 23MM	POLYPROPYLENE	02DT0316
6	-	23MM GROUT HOSE	HDPE	02DT0310
7	-	BONDUIT	-	-
8	-	SILICONE GREASE	-	-

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PROJECT INFORMATION:	SYSTEM DRAWING	PROJECT NO:	SCALE:
			NTS
		SHEET NO:	A372
<p>structural TECHNOLOGIES A Structural Group Company Dallas, TX / Washington, DC / Denver, CO / Pompano Beach, FL</p>		PHONE: (817) 545-4877 FAX: (817) 545-4827 WWW.VSL.NET	
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	FIRST ISSUE	BY	DATE
		CDL	03AUG2018
	DESCRIPTION	CHK	
		BY	




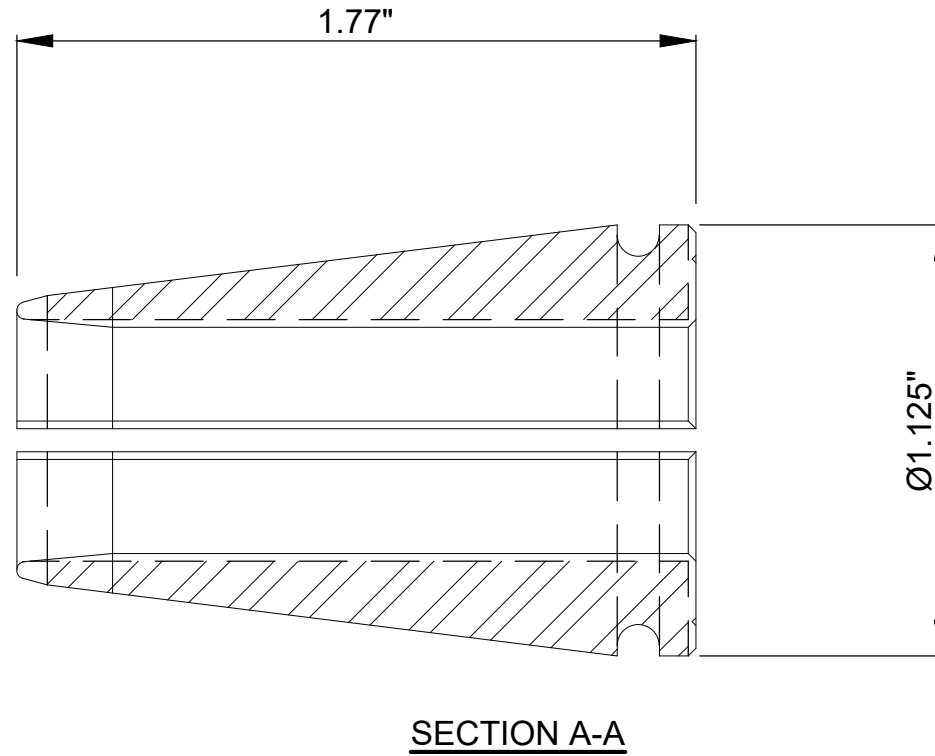
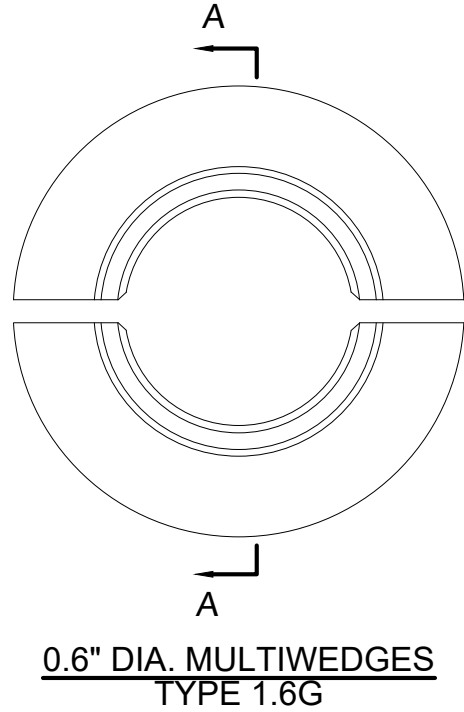
ELEVATION VIEW

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY NUMBER
1	2	DUCT PT-PLUS 100	ASTM D4101 POLYPROPYLENE	02DT0443

- NOTES:
- 100MM PT-PLUS DUCT MEETS FDOT 960 SPEC.
 - SEE VSL BUTT-WELDING PROCEDURE IN APPENDIX.
 - ADJUST THE LOCATION OF THE LAST FUSION BUTT WELD SO THAT THE FINAL DUCT COUPLER CONNECTION CAN BE APPLIED PROPERLY.

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<p>PROJECT INFORMATION:</p> <p>SYSTEM DRAWING</p> <p>TYPICAL 100MM PT-PLUS DUCT TO DUCT FUSION WELDED CONNECTION</p>		<p>NO</p> <p>DESCRIPTION</p>
<p>PROJECT NO: SYSTEM</p> <p>SHEET NO:</p>	<p>SCALE: NTS</p> <p>A381</p>	<p>THIS DOCUMENT, INCLUDING ANY DRAWINGS, SPECIFICATIONS, AND CALCULATIONS HEREIN, IS THE PROPERTY OF STRUCTURAL TECHNOLOGIES / VSL. THIS DOCUMENT AND THE INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND MAY NOT BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE PRIOR WRITTEN CONSENT OF STRUCTURAL TECHNOLOGIES / VSL. FURTHER, THE USE OF THIS DOCUMENT OR ANY INFORMATION HEREIN FOR ANY PROJECT OTHER THAN THAT SPECIFIC PROJECT AND PURPOSE FOR WHICH IT WAS PREPARED, ANY OTHER USE IS STRICTLY PROHIBITED. STRUCTURAL TECHNOLOGIES / VSL DOES NOT WARRANT, REPRESENT, OR GUARANTEE THE ACCURACY, COMPLETENESS, OR OTHER INFORMATION IT CONTAINS.</p>



- NOTES:**
1. MATERIAL: AISI 11L17/12L14, PRODUCED IN STRICT ACCORDANCE WITH VSL MS 3.1.006
 2. WEIGHT: 0.197 LBS. (APPROX.)
 3. HEAT TREATMENT: CASEHARDENED
 4. INVENTORY NO. 02WG0008

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<p>PROJECT INFORMATION:</p> <p>SYSTEM DRAWING</p> <p>PROJECT NO: SYSTEM</p> <p>SHEET NO: C218</p>	<p>5</p>	<p>TITLE BLOCK UPDATED</p>	<p>CDL</p>	<p>ZX</p>	<p>26FEB2018</p>
	<p>4</p>	<p>UPDATED TITLE BLOCK</p>	<p>SK</p>	<p>ZX</p>	<p>09JAN2015</p>
	<p>3</p>	<p>UPDATED BORDER</p>	<p>GDH</p>		<p>29APR2004</p>
	<p>2</p>	<p>ADDED INVENTORY NUMBER</p>	<p>TKW</p>		<p>01JAN1989</p>
	<p>NO</p>	<p>DESCRIPTION</p>	<p>BY</p>	<p>CHK</p>	<p>DATE</p>

structural TECHNOLOGIES
A Technical Group Company

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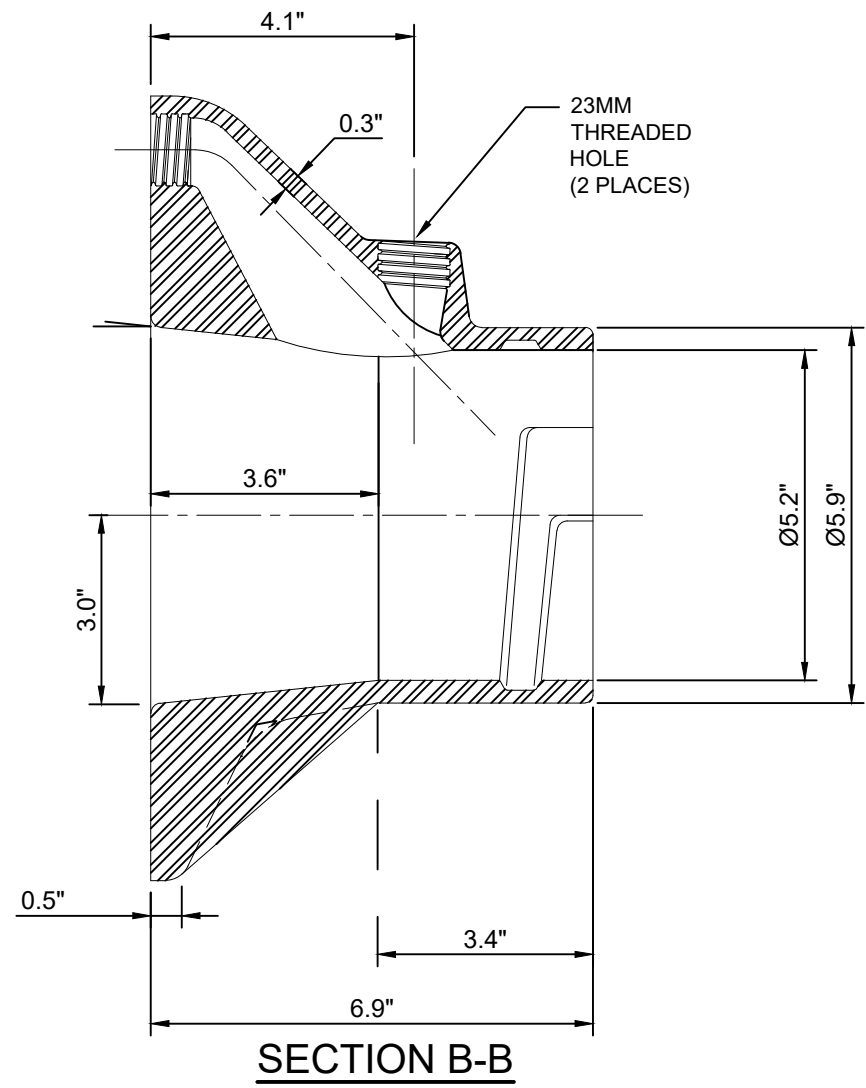
STRUCTURAL TECHNOLOGIES, LLC
DALLAS OFFICE
15600 TRINITY BLVD, SUITE 118
FORT WORTH, TX 76156

VSL

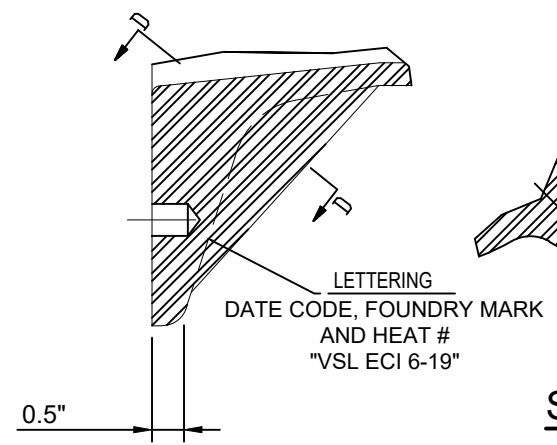
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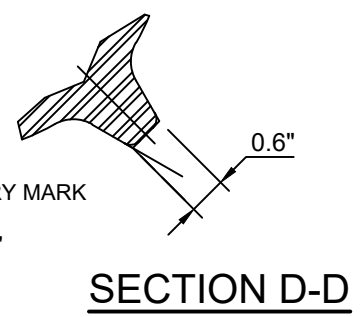
ELECTRONIC FILE LOCATION: I:\VSL System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-19 Coupled System



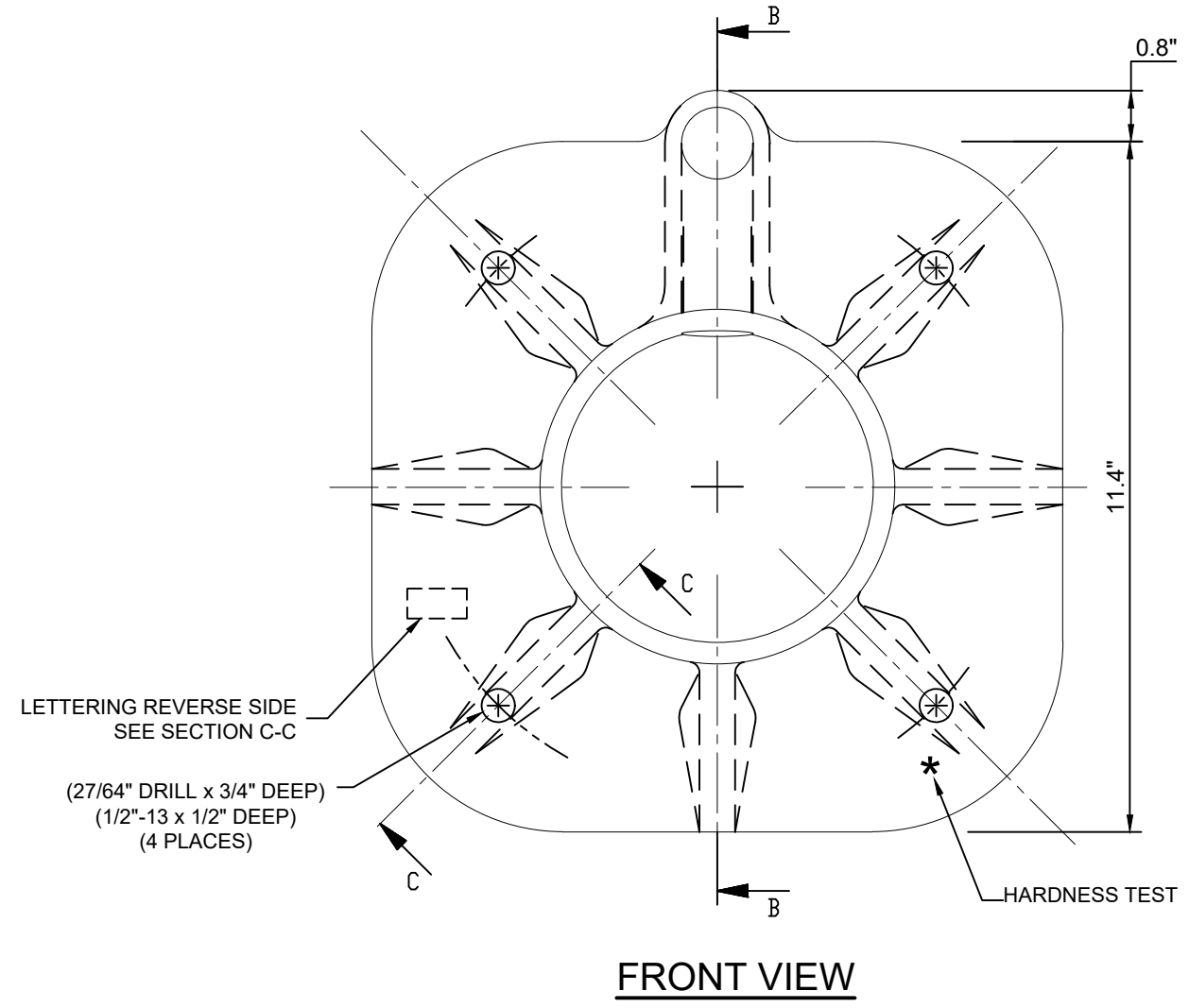
SECTION B-B



SECTION C-C



SECTION D-D



FRONT VIEW

TOLERANCES	
UNLESS OTHERWISE SPECIFIED	
FRACTIONAL	± 1/32
DECIMAL	± .030
	± .010
	± .005
ANGULAR	± 1/2°

- NOTES:
1. DIMENSIONS: INCHES
 2. MATERIAL:
ASTM A536 GR 80-55-06
 3. INVENTORY #:
02BP0038 (GALVANIZED)

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	3	(UPDATED INFORMATION) ISSUED FOR PRODUCTION	GDH	ZX	21MAR2012
	2	CHANGED PART NUMBER	GDH	WF	30NOV2006
	1	APPROVED FOR PRODUCTION	GDH	JC	21JAN2004
NO	DESCRIPTION	BY	CHK	DATE	

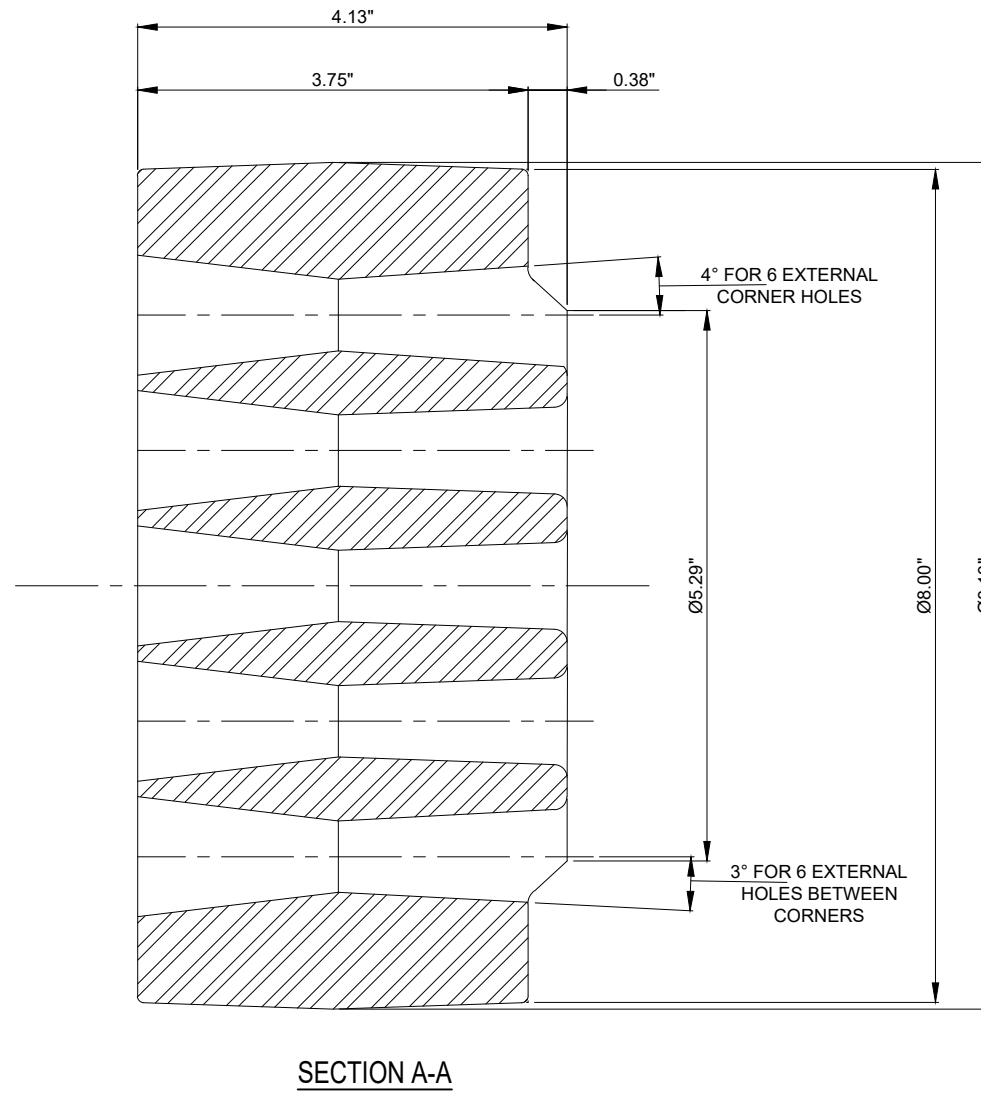
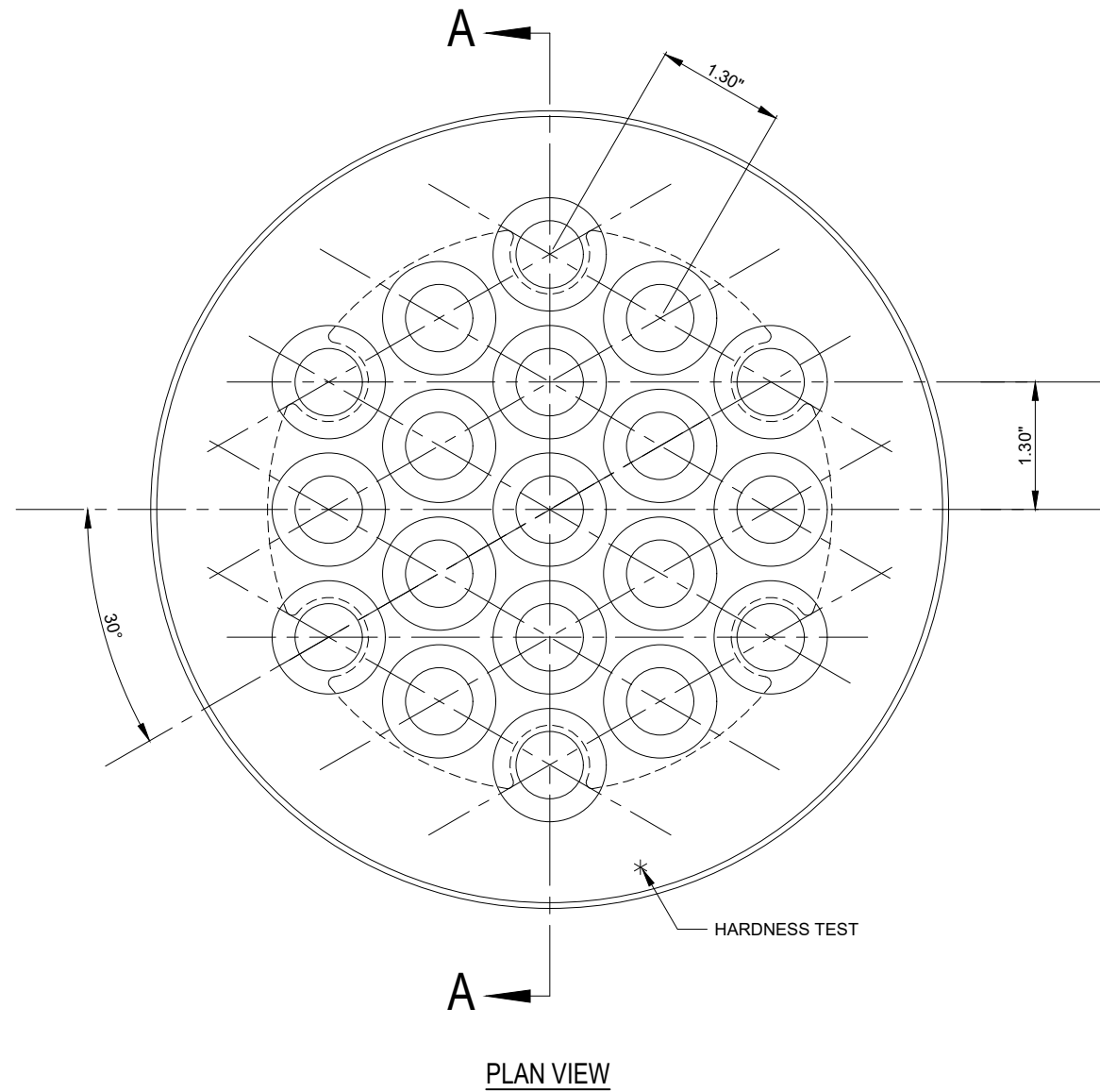
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FORT WORTH, TX 76156

PROJECT INFORMATION:	SYSTEM DRAWING	TITLE:	ECI 6-19 BEARING PLATE
PROJECT NO:	SYSTEM	SCALE:	NTS
SHEET NO:			C554



ANCHORHEAD ECI 6-19

GENERAL CASTING NOTES

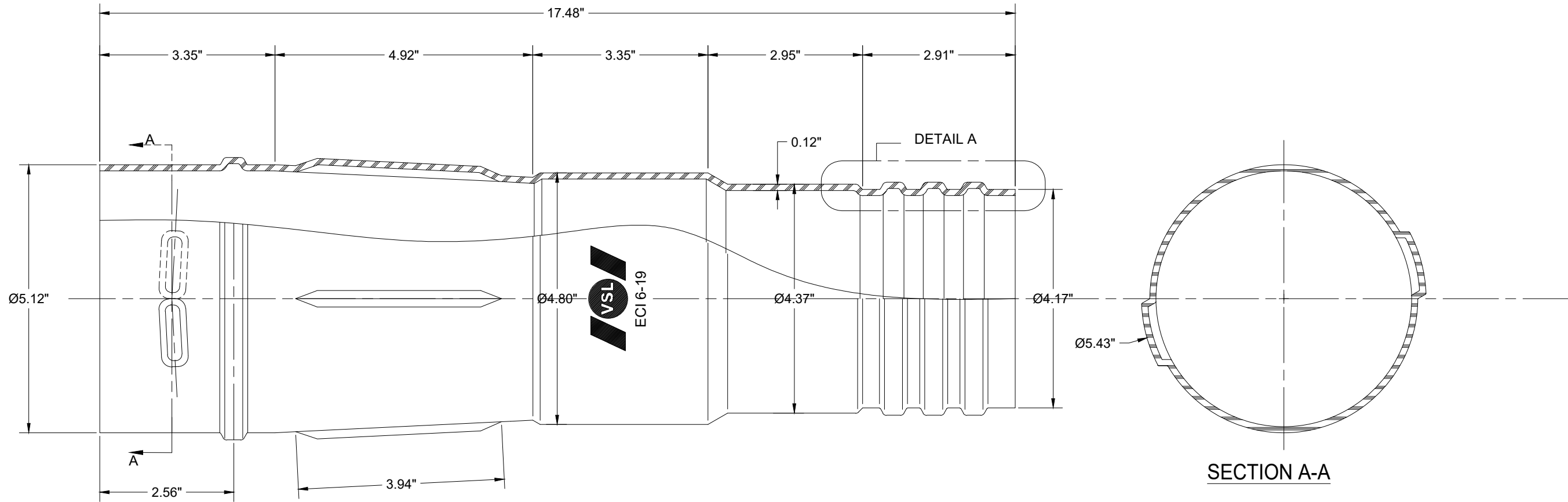
- 1) ALL HOLES TO BE FREE FROM BURRS
- 2) MATERIAL: ASTM A536 GR 80-55-06
- 3) WEIGHT: 40.0 LBS

INVENTORY No. 02AH0038

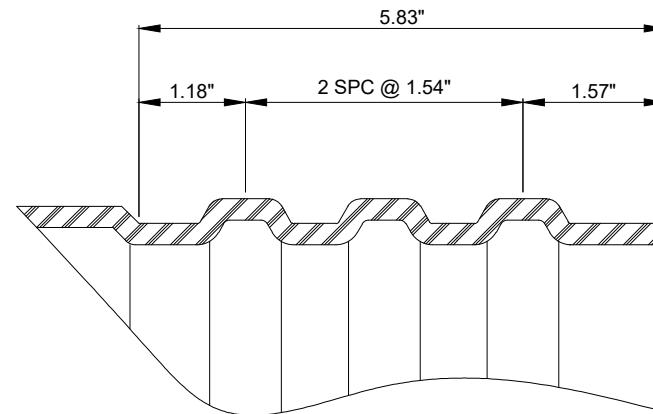
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PROJECT INFORMATION:		SYSTEM DRAWING		PROJECT NO: 1		SCALE: NTS		SHEET NO: C557	
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2		1		0		NO		NO	
CDL		ZX		DTS		DD		DD	
14MAR2018		03JULY2012		18MAY2012		BY		CHK	
DATE		DATE		DATE		DATE		DATE	

ELECTRONIC FILE LOCATION: I:\VSL System Drawings\Work in Progress Drawings\Florida DOT Test 2017\ECI 6-19 Flexible Filler Submittal



ECI 6-19 TRUMPET



DETAIL A

SECTION A-A

TOLERANCES
UNLESS OTHERWISE SPECIFIED

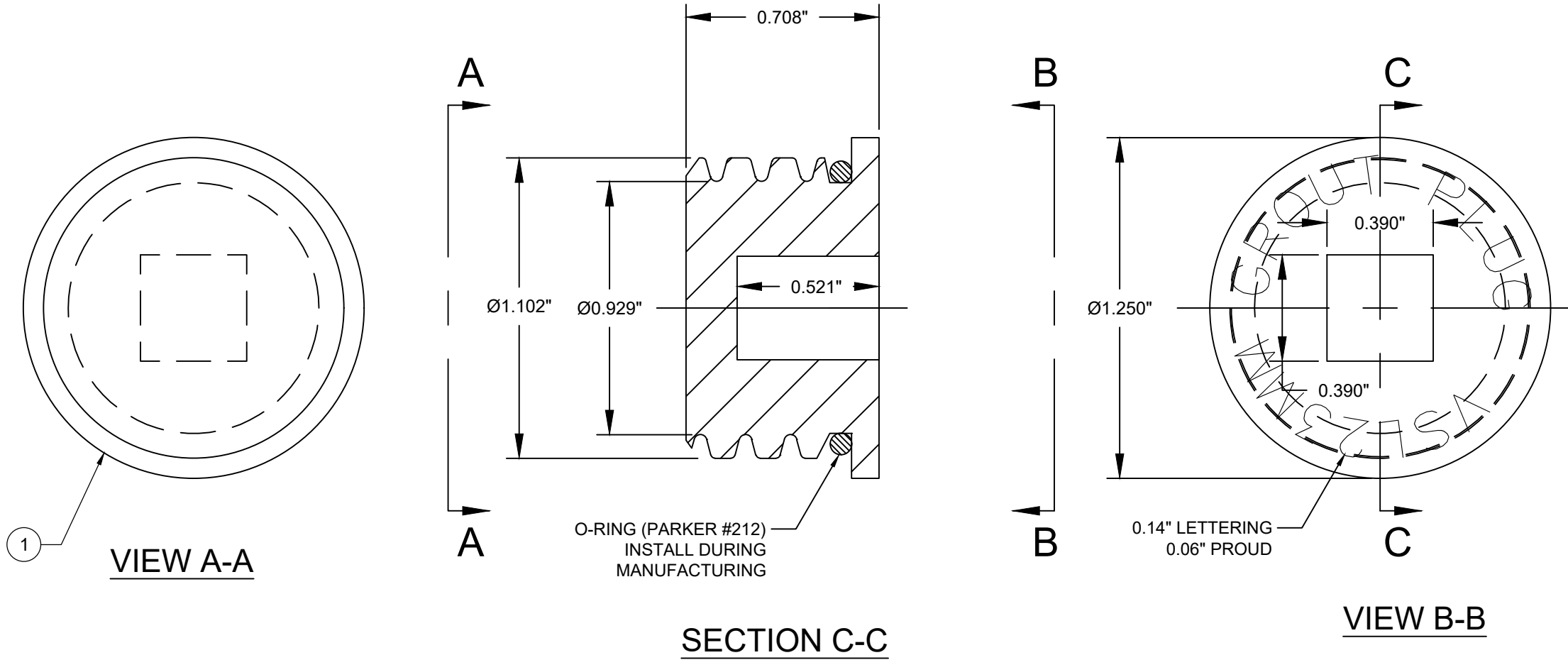
FRACTIONAL _____ ± 1/32
DECIMAL _____.X ____ ± .030
 ____.XX ____ ± .010
 ____.XXX ____ ± .005

ANGULAR _____ ± 1/2°

NOTES:
1) DIMENSIONS ARE IN INCHES
2) MATERIAL: HDPE
3) INVENTORY #: 02BP4322

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PROJECT INFORMATION:		CDL		14MAR2018	
SYSTEM DRAWING		ZK		ZK	
ECI 6-19 TRUMPET		GDH		06DEC2012	
TITLE:		LS		01APR2004	
PROJECT NO:		BY		CHK	
SCALE:		DESCRIPTION		DATE	
SHEET NO:		NO		A337	
<p>STRUCTURAL TECHNOLOGIES, LLC CLAIMS A STRICT PROPRIETARY RIGHT IN ALL DRAWINGS, SPECIFICATIONS AND CALCULATIONS ("INFORMATION") SET FORTH ON THIS SHEET. THE USE OF SUCH INFORMATION IN WHOLE OR IN PART, OR ANY REPRODUCTION THEREOF, IS STRICTLY PROHIBITED. THE MATERIAL WAS PREPARED AND TO THE MATERIAL AND/OR SERVICE PROVIDED BY STRUCTURAL TECHNOLOGIES / VSL. ANY OTHER USE IS STRICTLY PROHIBITED, AND STRUCTURAL TECHNOLOGIES / VSL DISCLAIMS ANY LIABILITY THEREFORE.</p>					
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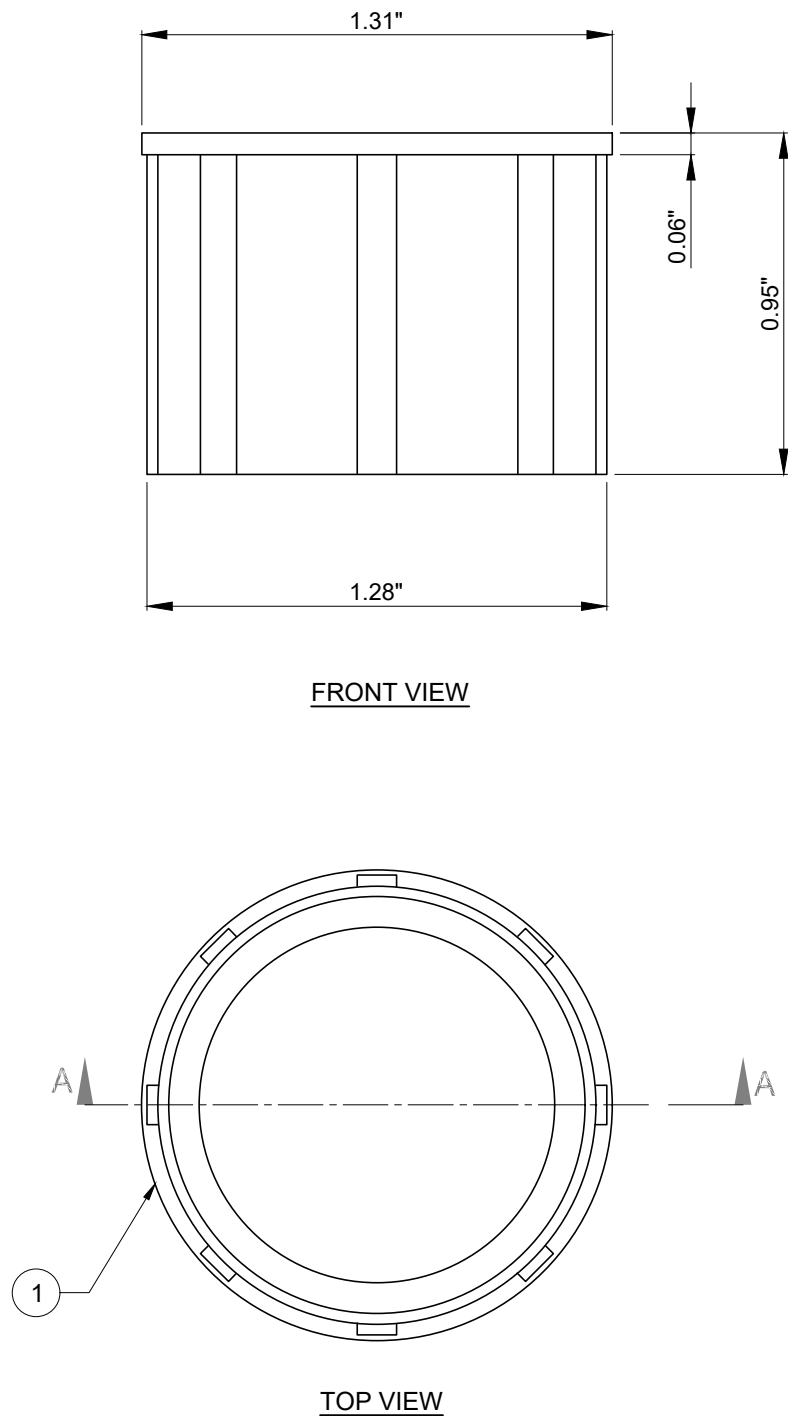


ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY#
1	-	BEARING PLATE GROUT PLUG 23MM	HDPE	02DT0341

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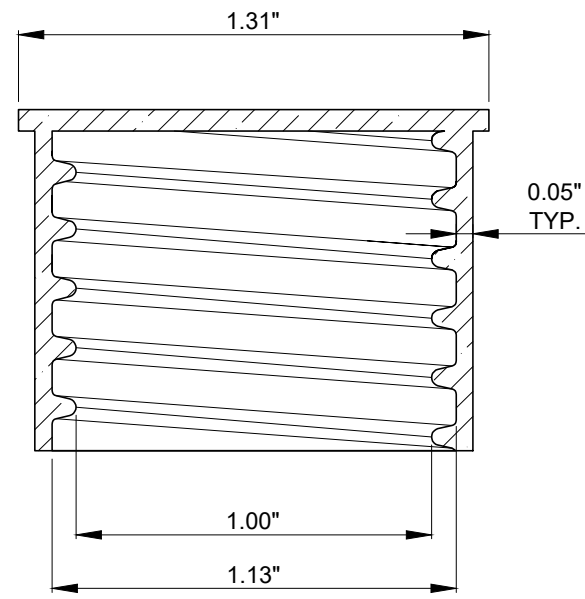
PROJECT INFORMATION:	SYSTEM DRAWING	23MM GROUT PLUG	TITLE:	SCALE:
			PROJECT NO:	SYSTEM
			SHEET NO:	NTS
				C583
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	2	MATERIAL CHANGE (BLACK)	GDH	WF
	1	RELEASED FOR PRODUCTION	GDH	ZX
	NO	DESCRIPTION	BY	CHK
				DATE
				03AUG2018
				02JAN2007
				26APR2004

ELECTRONIC FILE LOCATION: I:\VSL System Drawings\Work in Progress Drawings\Florida DOT Test 2017\EC16-22 Grouted System



FRONT VIEW

TOP VIEW



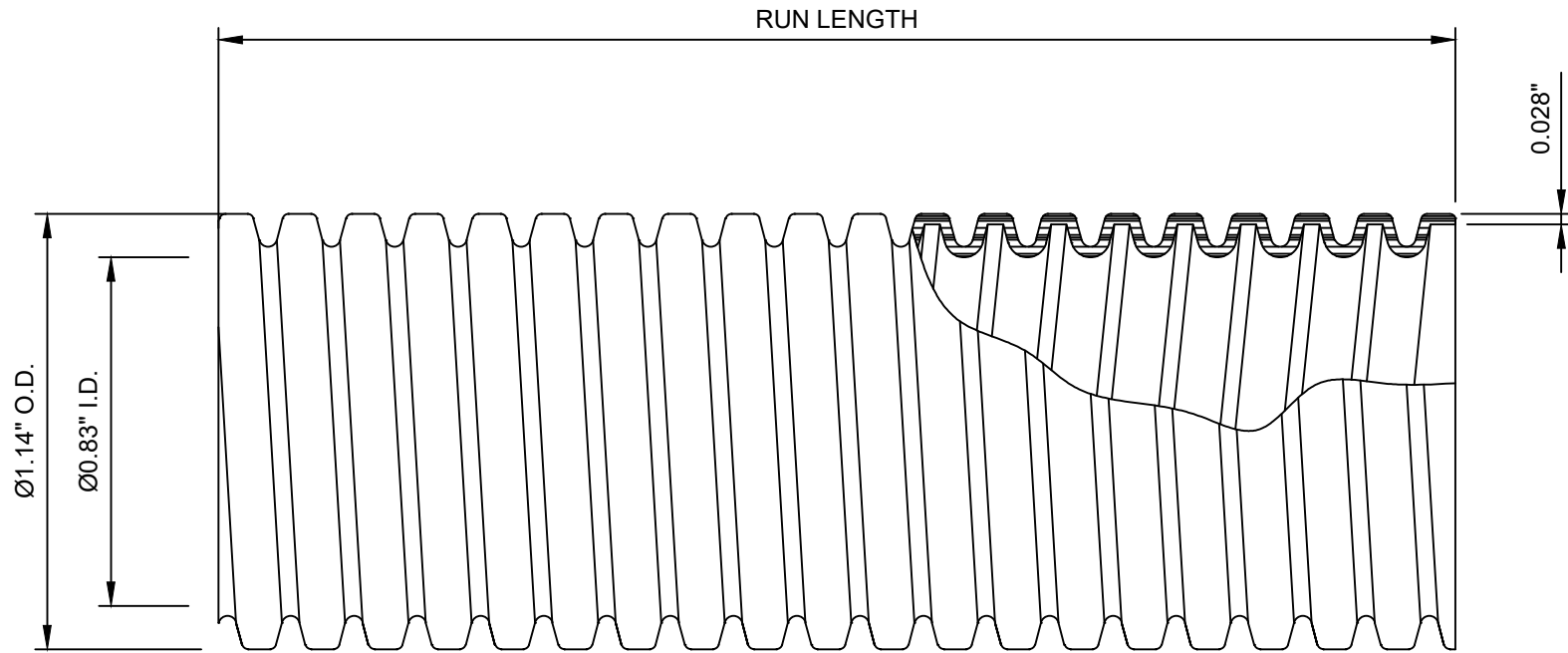
SECTION A-A

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY#
1	-	23MM GROUT HOSE CAP	HDPE	02DT0314

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960

THESE SHOP DRAWINGS ILLUSTRATE THE DETAILS OF THE STRUCTURAL TECHNOLOGIES / VSL POST-TENSIONING SYSTEM. THEY WERE PREPARED IN CONFORMANCE WITH THE STRUCTURAL DESIGN PROVIDED TO STRUCTURAL TECHNOLOGIES / VSL BY PROJECT OWNER OR ITS REPRESENTATIVE. STRUCTURAL TECHNOLOGIES / VSL TOOK NO PART IN THE PREPARATION OR REVIEW OF SAID STRUCTURAL DESIGN AND STRUCTURAL TECHNOLOGIES / VSL DISCLAIMS ANY LIABILITY FOR IT. THE STAMP OR SEAL OF A STRUCTURAL TECHNOLOGIES / VSL EMPLOYEE ON THESE SHOP DRAWINGS PERTAINS ONLY TO THE TRANSFER OF THE FORCES REQUIRED BY THE ENGINEER OF RECORD ON THE STRUCTURAL DRAWINGS, AND NOT TO THE ADEQUACY OF THE STRUCTURAL DESIGN. NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ADEQUACY OF THE STRUCTURAL DESIGN IS MADE BY VIRTUE OF ANY SUCH STAMP OR SEAL.

PROJECT INFORMATION:		SYSTEM DRAWING		23MM GROUT HOSE CAP	
PROJECT NO:	1	SCALE:	NTS		
SHEET NO:	C586				
STRUCTURAL TECHNOLOGIES, LLC CLAIMS A STRICT PROPRIETARY RIGHT IN ALL DRAWINGS, SPECIFICATIONS AND CALCULATIONS ("INFORMATION") SET FORTH ON THIS SHEET. THE USE OF SUCH INFORMATION IN WHOLE OR IN PART, OR ANY REPRODUCTION THEREOF, IS STRICTLY PROHIBITED. THIS SHEET WAS PREPARED AND TO THE MATERIAL AND/OR SERVICE PROVIDED BY STRUCTURAL TECHNOLOGIES / VSL. ANY OTHER USE IS STRICTLY PROHIBITED, AND STRUCTURAL TECHNOLOGIES / VSL DISCLAIMS ANY LIABILITY THEREFORE.		2	1	NO	
TITLE BLOCK UPDATED		CDL	GDH	10JAN2018	
APPROVED FOR PRODUCTION		GDH	NDS	11MAY2004	
DESCRIPTION		BY	CHK	DATE	



TOLERANCES

UNLESS OTHERWISE SPECIFIED

FRACTIONAL _____ ± 1/32
 DECIMAL _____X ± .030
 _____XX ± .010
 _____XXX ± .005
 ANGULAR _____ ± 1/2°
 SURFACE QUALITY

NOTES:

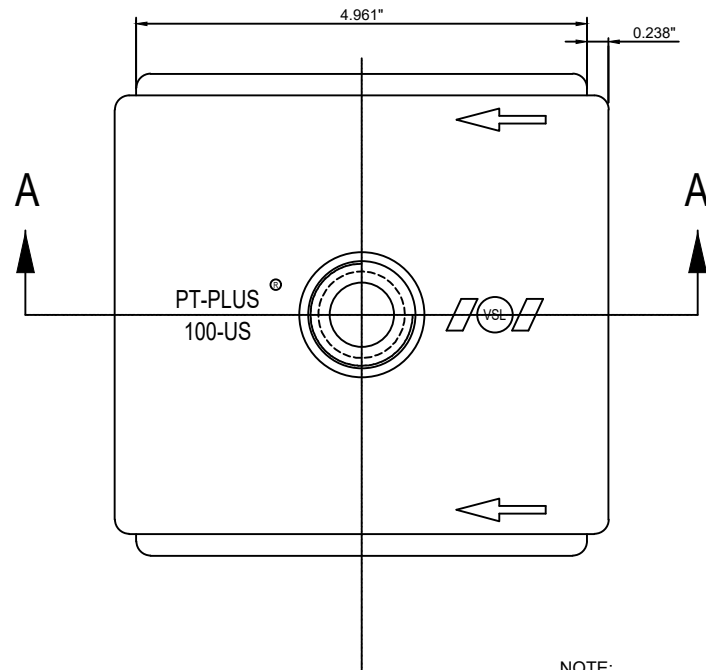
1. BREAK SHARP EDGES .010 MAX.
2. REMOVE ALL BURRS
3. ALL RADII 1MM UNO
4. DO NOT SCALE DRAWING
5. DIMENSIONS IN MM SHALL CONFORM TO DIN 1685 GTB16 TOLERANCES
6. MATERIAL: HDPE

INVENTORY#: 02DT0310

THESE SHOP DRAWINGS ILLUSTRATE THE DETAILS OF THE STRUCTURAL TECHNOLOGIES / VSL POST-TENSIONING SYSTEM. THEY WERE PREPARED IN CONFORMANCE WITH THE STRUCTURAL DESIGN PROVIDED TO STRUCTURAL TECHNOLOGIES / VSL BY PROJECT OWNER OR ITS REPRESENTATIVE. STRUCTURAL TECHNOLOGIES / VSL TOOK NO PART IN THE PREPARATION OR REVIEW OF SAID STRUCTURAL DESIGN AND STRUCTURAL TECHNOLOGIES / VSL DISCLAIMS ANY LIABILITY FOR IT. THE STAMP OR SEAL OF A STRUCTURAL TECHNOLOGIES / VSL EMPLOYEE ON THESE SHOP DRAWINGS PERTAINS ONLY TO THE TRANSFER OF THE FORCES REQUIRED BY THE ENGINEER OF RECORD ON THE STRUCTURAL DRAWINGS, AND NOT TO THE ADEQUACY OF THE STRUCTURAL DESIGN. NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ADEQUACY OF THE STRUCTURAL DESIGN IS MADE BY VIRTUE OF ANY SUCH STAMP OR SEAL.

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PROJECT NO:	SYSTEM	CDL ZX	02JUL2018
SHEET NO:	C587	BY	CHK
TITLE:	23MM HOSE	GDH NDS	26APR2004
DESCRIPTION:		NO	DATE
SYSTEM DRAWING		TITLE BLOCK UPDATED	
		RELEASED FOR PRODUCTION	

ELECTRONIC FILE LOCATION: I:\VSI\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-22 Grouted System

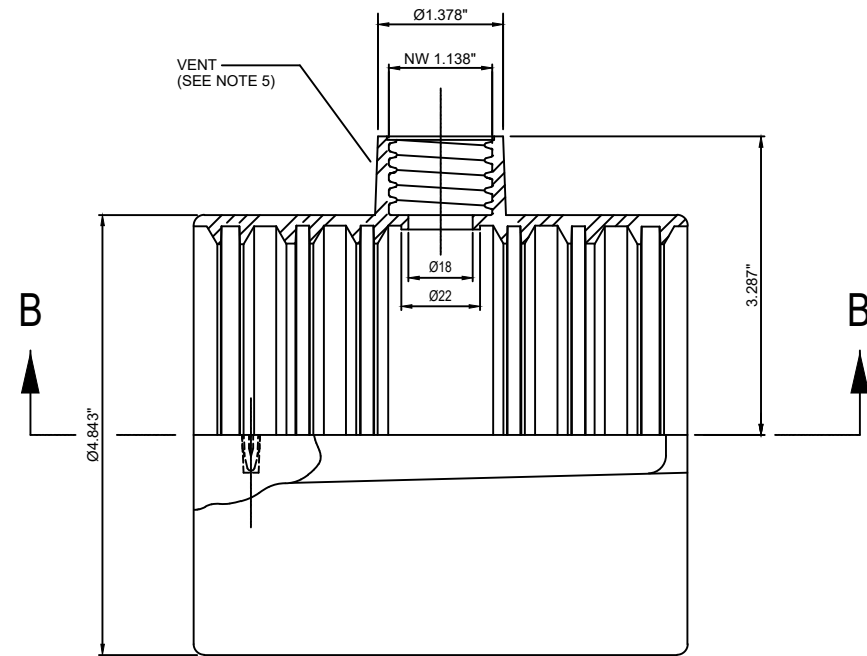


PLAN

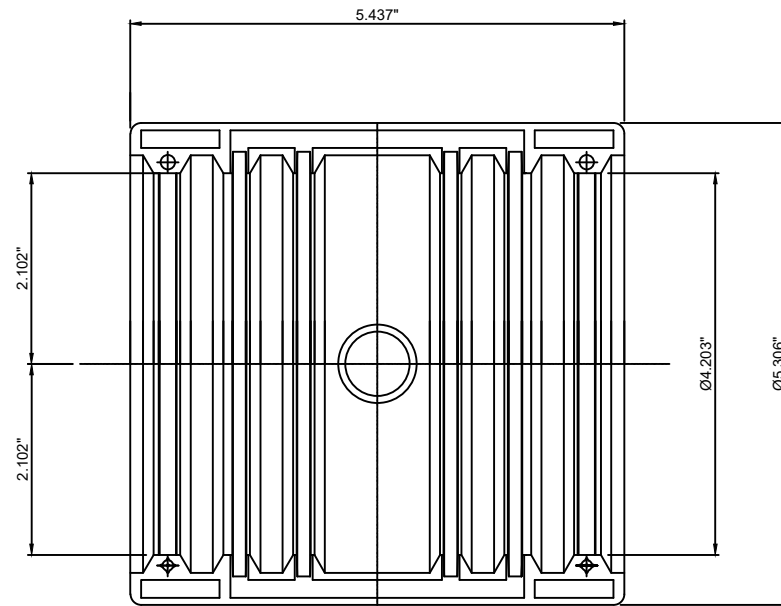
NOTE:

USE 2 HALF SHELLS WITHOUT VENT (02DT0044) FOR STANDARD DUCT COUPLING.

USE ONE HALF SHELL WITHOUT VENT (02DT0044) AND ONE HALF SHELL WITH VENT (02DT0045) FOR DUCT COUPLING WHERE A GROUT VENT IS NEEDED.



SECTION A-A



SECTION B-B

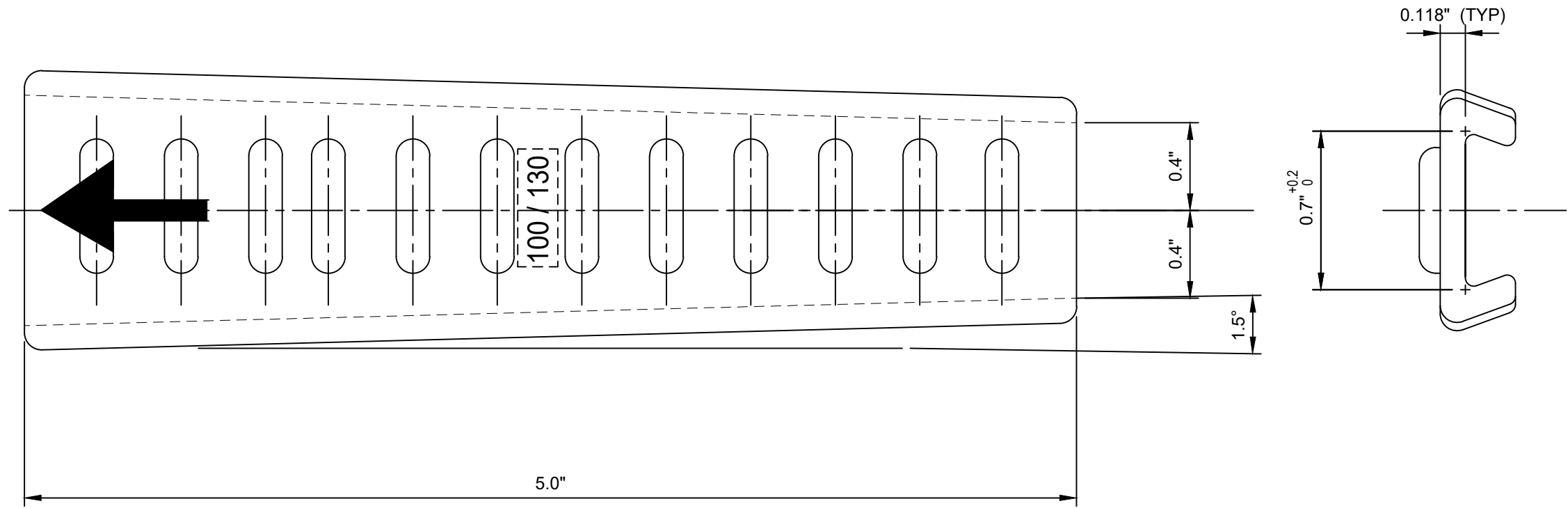
NOTES:

1. MATERIAL POLYPROPYLENE ELTEX PRS210 (OR EQUIVALENT)
2. DIMENSIONS ARE IN INCHES
3. DO NOT SCALE
4. COMPATIBILITY WITH PT+100-US DUCT, i.e. ADJUST GROOVE
5. ONE HALF SHELL WITH VENT AND ONE WITHOUT.

INVENTORY No. 02DT0044, W/OUT VENT
 INVENTORY No. 02DT0045, WITH VENT

THESE SHOP DRAWINGS ILLUSTRATE THE DETAILS OF THE STRUCTURAL TECHNOLOGIES / VSL POST-TENSIONING SYSTEM. THEY WERE PREPARED IN CONFORMANCE WITH THE STRUCTURAL DESIGN PROVIDED TO STRUCTURAL TECHNOLOGIES / VSL BY PROJECT OWNER OR ITS REPRESENTATIVE. STRUCTURAL TECHNOLOGIES / VSL TOOK NO PART IN THE PREPARATION OR REVIEW OF SAID STRUCTURAL DESIGN AND STRUCTURAL TECHNOLOGIES / VSL DISCLAIMS ANY LIABILITY FOR IT. THE STAMP OR SEAL OF A STRUCTURAL TECHNOLOGIES / VSL EMPLOYEE ON THESE SHOP DRAWINGS PERTAINS ONLY TO THE TRANSFER OF THE FORCES REQUIRED BY THE ENGINEER OF RECORD ON THE STRUCTURAL DRAWINGS, AND NOT TO THE ADEQUACY OF THE STRUCTURAL DESIGN. NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ADEQUACY OF THE STRUCTURAL DESIGN IS MADE BY VIRTUE OF ANY SUCH STAMP OR SEAL.

PROJECT INFORMATION:		TITLE BLOCK UPDATED		CDL	ZX	26JUN2018
SYSTEM DRAWING		CHANGED DIMENSIONS		GDH		12MAR2007
100MM PT-PLUS DUCT COUPLER HALF SHELL, VENTED & NON-VENTED		APPROVED FOR PRODUCTION		GDH		05FEB2007
PROJECT NO: SYSTEM		DESCRIPTION		BY	CHK	DATE
SHEET NO: C623		NO				
<p>THIS DOCUMENT, INCLUDING ANY DRAWINGS, SPECIFICATIONS, AND CALCULATIONS HEREIN, IS THE PROPERTY OF STRUCTURAL TECHNOLOGIES / VSL. THIS DOCUMENT AND THE INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND MAY NOT BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE PRIOR WRITTEN CONSENT OF STRUCTURAL TECHNOLOGIES / VSL. FURTHER, THE USE OF THIS DOCUMENT OR ANY INFORMATION HEREIN FOR ANY OTHER PROJECT OR FOR WHICH IT WAS PREPARED, ANY OTHER USE IS STRICTLY PROHIBITED. STRUCTURAL TECHNOLOGIES / VSL ACCEPTS NO LIABILITY FOR ANY UNAUTHORIZED, UNINTENDED OR OTHER IMPERMISSIBLE USE OF THIS DOCUMENT OR ANY INFORMATION IT CONTAINS.</p>						
<p>structural TECHNOLOGIES A Structural Group Company Dallas, TX / Washington, DC / Denver, CO / Pompano Beach, FL</p> <p>PHONE: (817) 545-4807 FAX: (817) 545-4827 WWW.VSL.NET</p> <p>STRUCTURAL TECHNOLOGIES, LLC DALLAS OFFICE 15000 TRINITY BLVD., SUITE 118 FORT WORTH, TX 76155</p>						



GENERAL NOTES:

1. ALL HOLES TO BE FREE FROM BURRS
2. ALL RADII 0.04" UNO
3. MATERIAL SHALL BE: PP SG702 HI IMPACT COPOLYMER
4. MANUFACTURER'S IDENTIFICATION AND BATCH NUMBER MUST BE CLEARLY VISIBLE ON PART
5. SCALE: DRAWING NOT TO SCALE

INVENTORY#: 02DT0046

THESE SHOP DRAWINGS ILLUSTRATE THE DETAILS OF THE STRUCTURAL TECHNOLOGIES / VSL POST-TENSIONING SYSTEM. THEY WERE PREPARED IN CONFORMANCE WITH THE STRUCTURAL DESIGN PROVIDED TO STRUCTURAL TECHNOLOGIES / VSL BY PROJECT OWNER OR ITS REPRESENTATIVE. STRUCTURAL TECHNOLOGIES / VSL TOOK NO PART IN THE PREPARATION OR REVIEW OF SAID STRUCTURAL DESIGN AND STRUCTURAL TECHNOLOGIES / VSL DISCLAIMS ANY LIABILITY FOR IT. THE STAMP OR SEAL OF A STRUCTURAL TECHNOLOGIES / VSL EMPLOYEE ON THESE SHOP DRAWINGS PERTAINS ONLY TO THE TRANSFER OF THE FORCES REQUIRED BY THE ENGINEER OF RECORD ON THE STRUCTURAL DRAWINGS, AND NOT TO THE ADEQUACY OF THE STRUCTURAL DESIGN. NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ADEQUACY OF THE STRUCTURAL DESIGN IS MADE BY VIRTUE OF ANY SUCH STAMP OR SEAL.

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PROJECT NO:	SYSTEM	TITLE BLOCK UPDATED	CDL ZX
SHEET NO:	C625	PRELIMINARY NOT FOR PRODUCTION	GDH
		DESCRIPTION	BY
			CHK
			DATE
			05APR2018
			17JUN2003

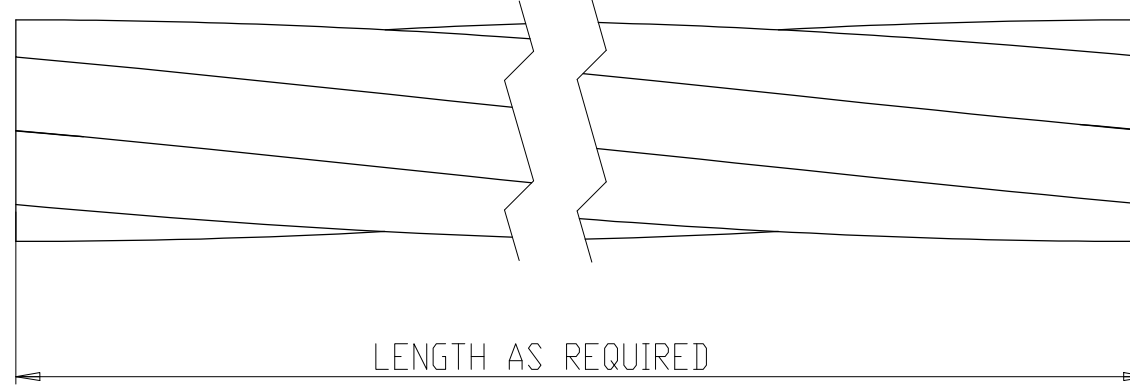
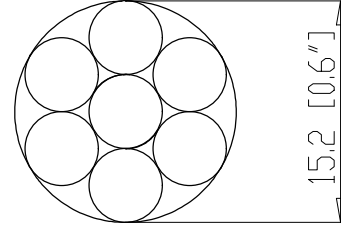
structural TECHNOLOGIES
A Structural Group Company

Dallas, TX / Washington, DC / Denver, CO / Pompano Beach, FL

STRUCTURAL TECHNOLOGIES, LLC
DALLAS OFFICE
15800 TRINITY BLVD., SUITE 118
FORT WORTH, TX 76156

PHONE: (817) 545-4807
FAX: (817) 545-4827
WWW.VSL.NET

SYSTEM DRAWING	
100/130MM PT-PLUS CLIP FABRICATION	
TITLE:	100/130MM PT-PLUS CLIP FABRICATION
SCALE:	NTS



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PROJECT INFORMATION:

PROJECT NO: SYSTEM
SHEET NO: C674

TITLE: VSL POST TENSIONING 0.6" BARE STRAND
ASTM A416, 270KSI

SCALE: NTS



Dallas, TX / Washington, DC / Denver, CO / Pompano Beach, FL
STRUCTURAL TECHNOLOGIES, LLC
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FORT WORTH, TX 76156
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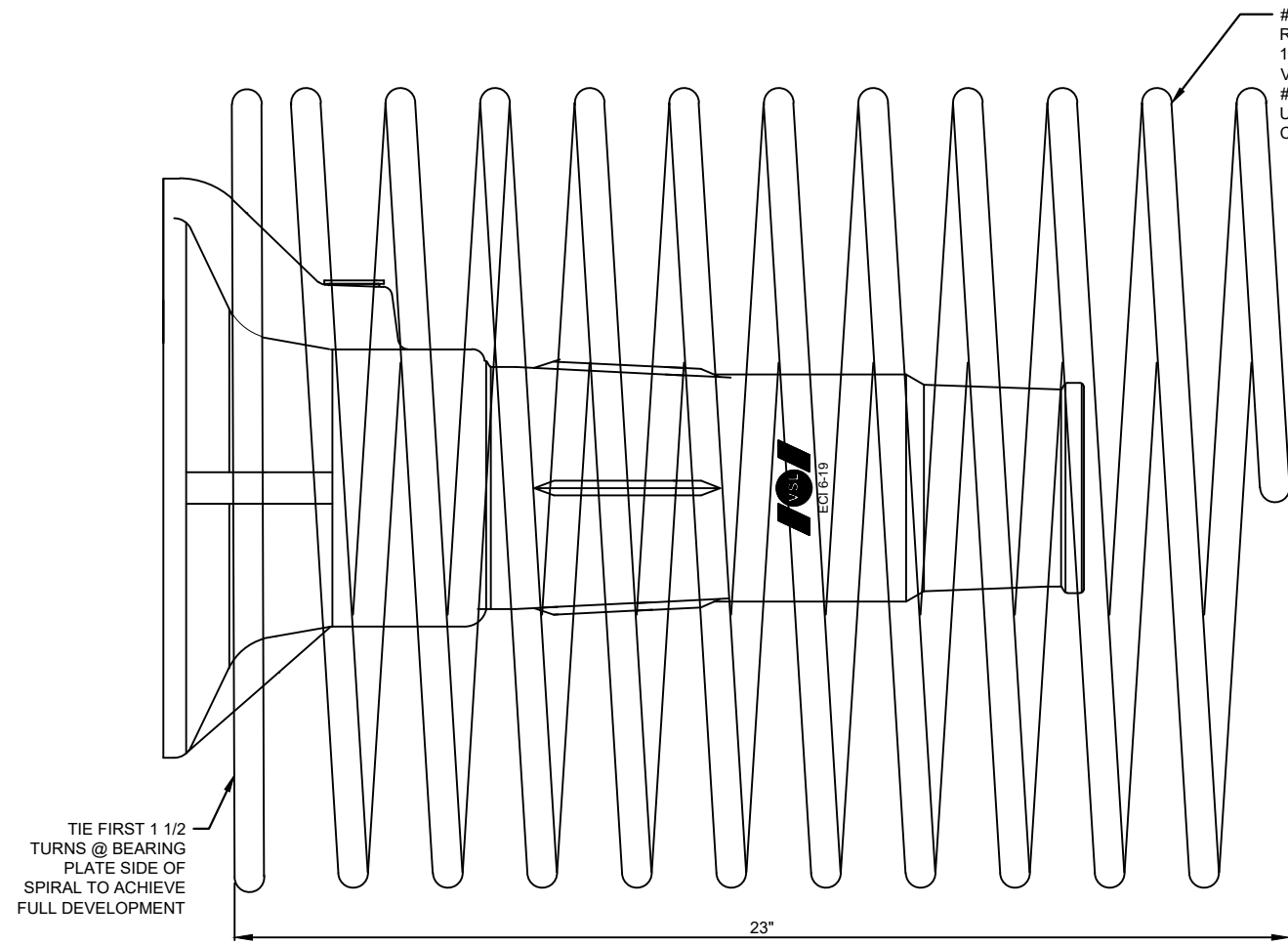
NO
NO
NO

TITLE BLOCK UPDATED
FOR FDOT

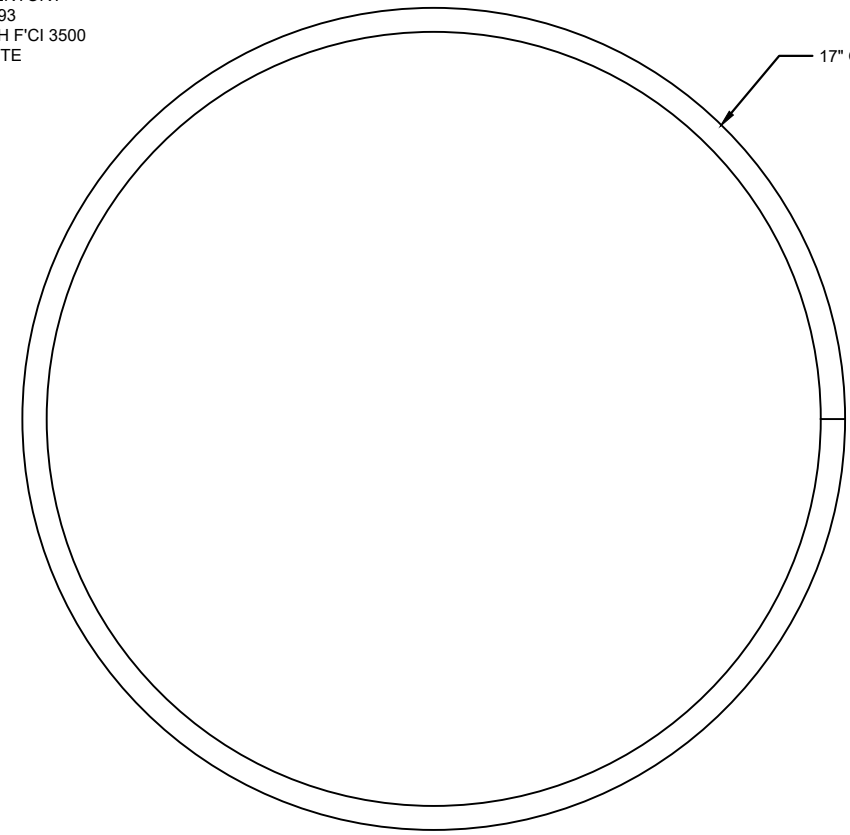
CDL ZX
MM
BY
CHK

26FEB2018
04FEB2010
DATE

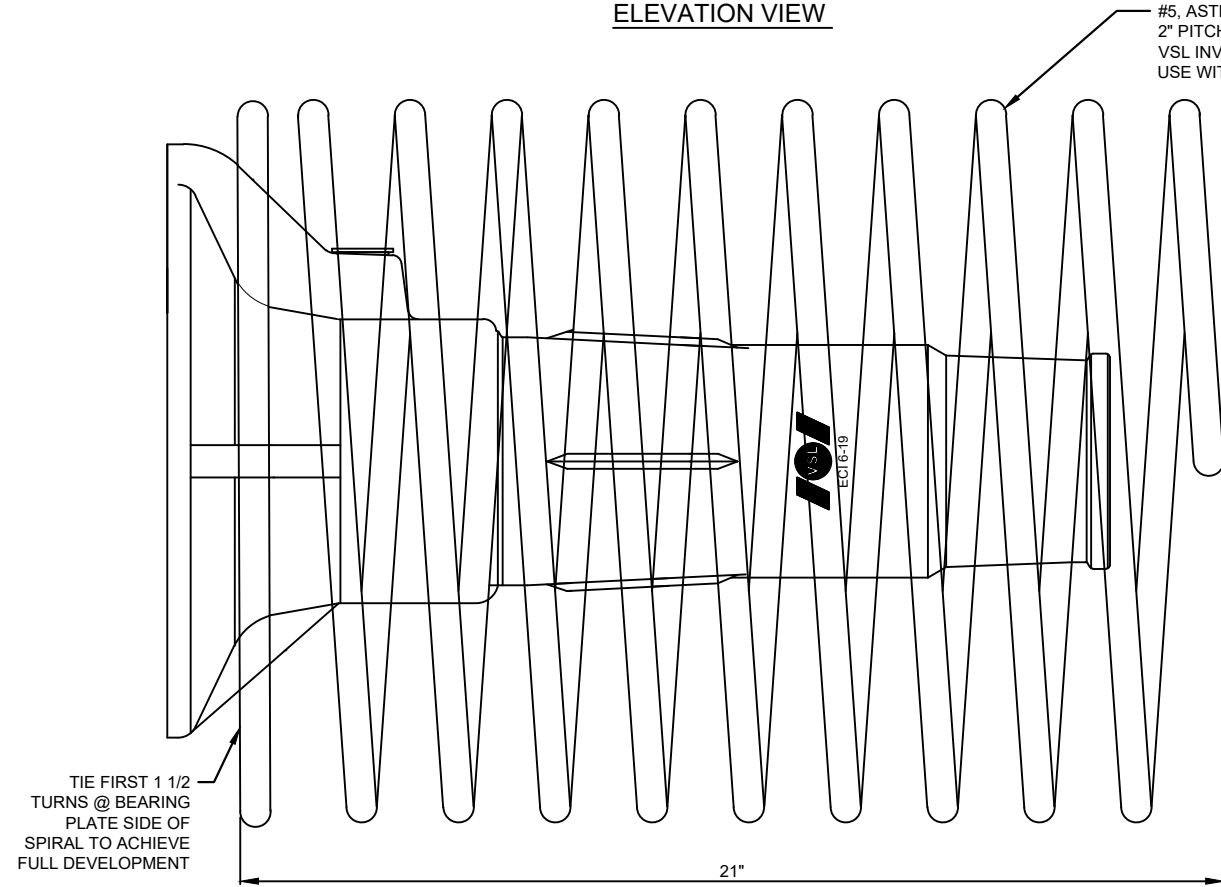
ELECTRONIC FILE LOCATION: I:\VSL System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-19 Flexible Filler Submittal



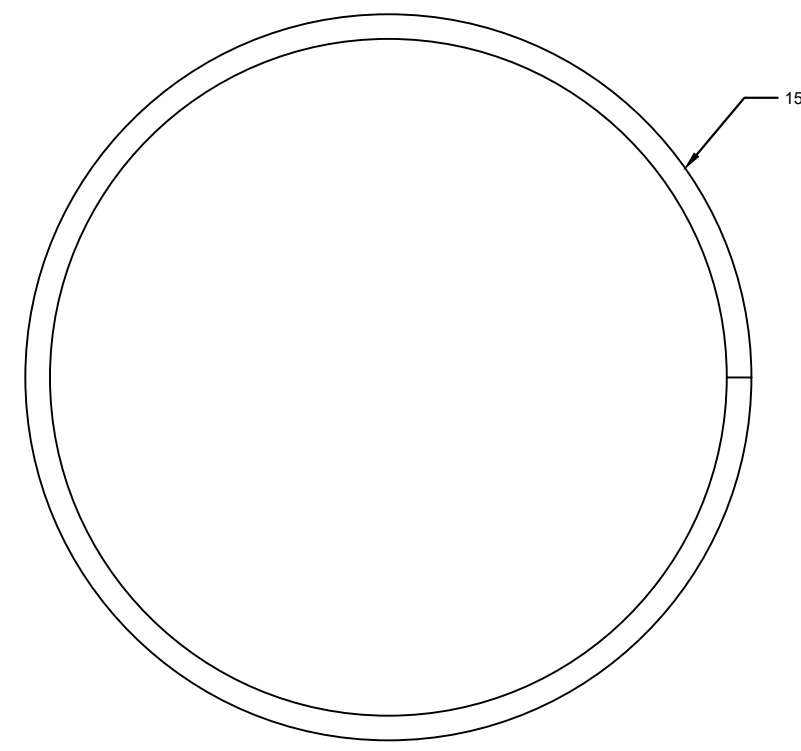
ELEVATION VIEW



FRONT VIEW



ELEVATION VIEW



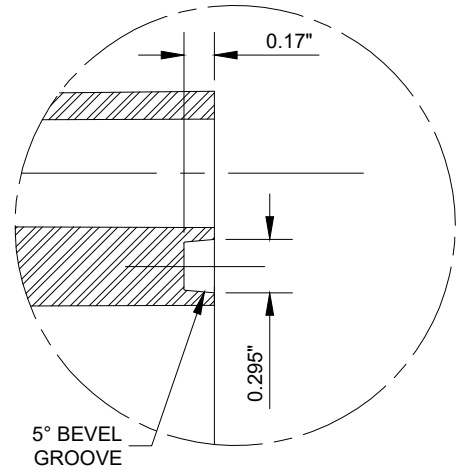
FRONT VIEW

NOTE: THESE SPIRALS ARE TO BE IN ACCORDANCE WITH THE APPROVED SHOP DRAWINGS AND CONTRACT DRAWINGS

THESE SHOP DRAWINGS ILLUSTRATE THE DETAILS OF THE STRUCTURAL TECHNOLOGIES / VSL POST-TENSIONING SYSTEM. THEY WERE PREPARED IN CONFORMANCE WITH THE STRUCTURAL DESIGN PROVIDED TO STRUCTURAL TECHNOLOGIES / VSL BY PROJECT OWNER OR ITS REPRESENTATIVE. STRUCTURAL TECHNOLOGIES / VSL TOOK NO PART IN THE PREPARATION OR REVIEW OF SAID STRUCTURAL DESIGN AND STRUCTURAL TECHNOLOGIES / VSL DISCLAIMS ANY LIABILITY FOR IT. THE STAMP OR SEAL OF A STRUCTURAL TECHNOLOGIES / VSL EMPLOYEE ON THESE SHOP DRAWINGS PERTAINS ONLY TO THE TRANSFER OF THE FORCES REQUIRED BY THE ENGINEER OF RECORD ON THE STRUCTURAL DRAWINGS, AND NOT TO THE ADEQUACY OF THE STRUCTURAL DESIGN. NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ADEQUACY OF THE STRUCTURAL DESIGN IS MADE BY VIRTUE OF ANY SUCH STAMP OR SEAL.

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PROJECT NO:	SYSTEM	TITLE BLOCK UPDATED	CDL ZX
SHEET NO:	SYSTEM	RELEASED FOR CONSTRUCTION	SAN MM
		DESCRIPTION	BY CHK DATE
			NO
<p>structural TECHNOLOGIES A Structural Group Company</p> <p>Dallas, TX / Washington, DC / Denver, CO / Pompano Beach, FL</p> <p>PHONE: (817) 545-4807 FAX: (817) 545-4827 WWW.VSL.NET</p>		<p>STRUCTURAL TECHNOLOGIES, LLC DALLAS OFFICE 15600 TRINITY BLVD., SUITE 118 FORT WORTH, TX 76156</p>	
SYSTEM DRAWING		ECCI 6-19 SPIRALS	
SCALE: NTS		DATE: 14MAR2018	
SCALE: NTS		DATE: 31MAY2010	
C679		DATE	

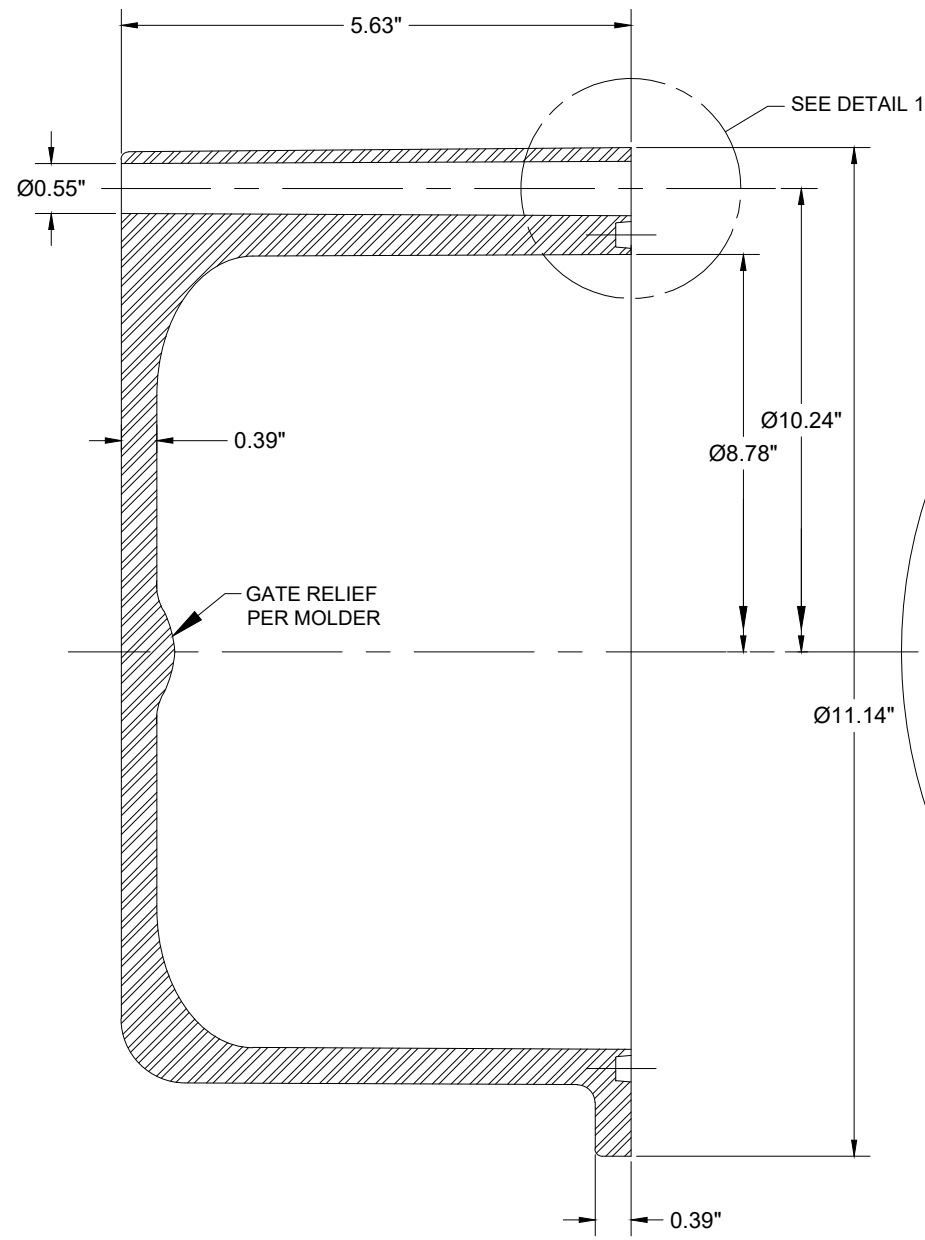
ELECTRONIC FILE LOCATION: I:\VSL System Drawings\Work in Progress Drawings\Florida DOT Test 2017\EC16-19 Crouted System



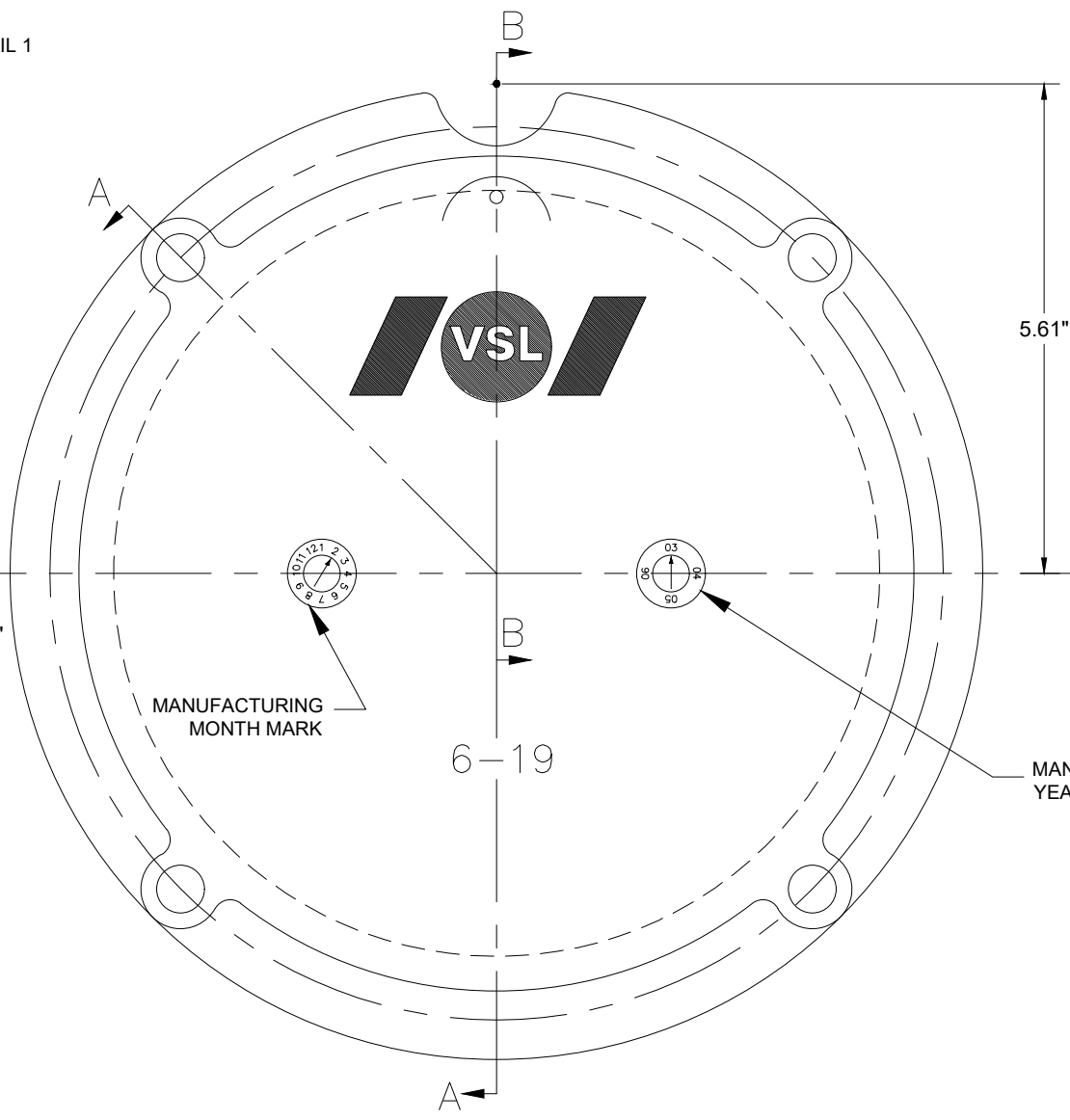
DETAIL 1

TOLERANCES
 UNLESS OTHERWISE SPECIFIED
 FRACTIONAL _____ ± 1/32
 DECIMAL _____.X ± .030
 _____.XX ± .010
 _____.XXX ± .005
 ANGULAR _____ ± 1/2°

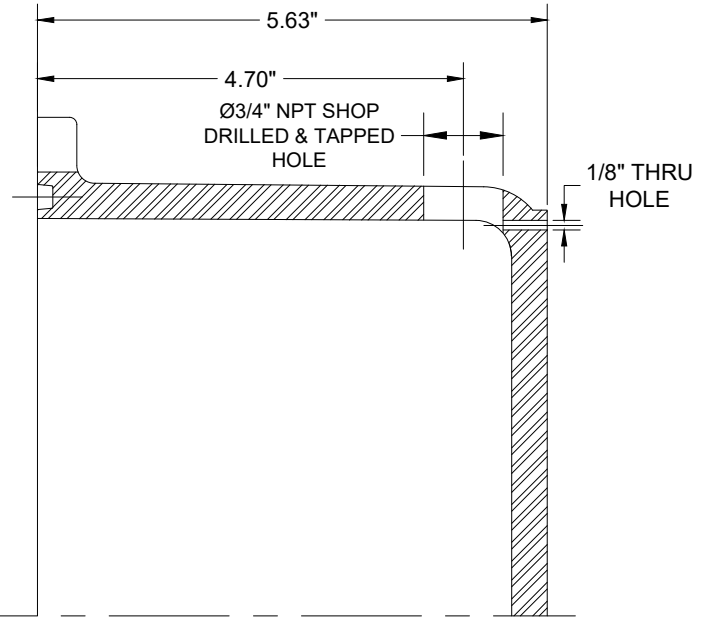
NOTES:
 1) DIMENSIONS ARE IN INCHES
 2) MATERIAL: ABS LUSTRAN 633
 3) INVENTORY #: 02GC61901



SECTION A-A




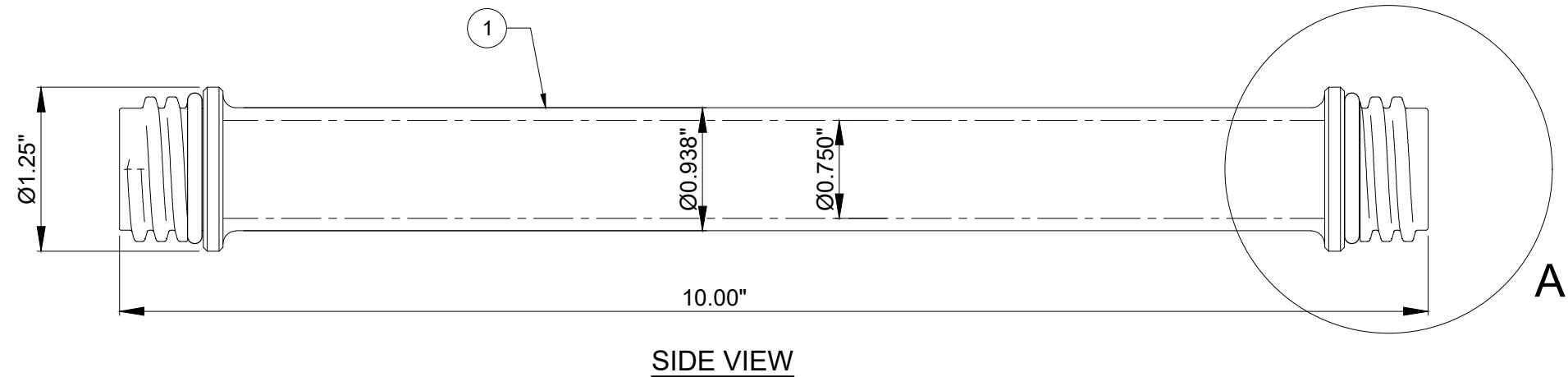
6-19 ANCHORAGE CAP
 LETTERING SHALL BE 0.06" PROUD



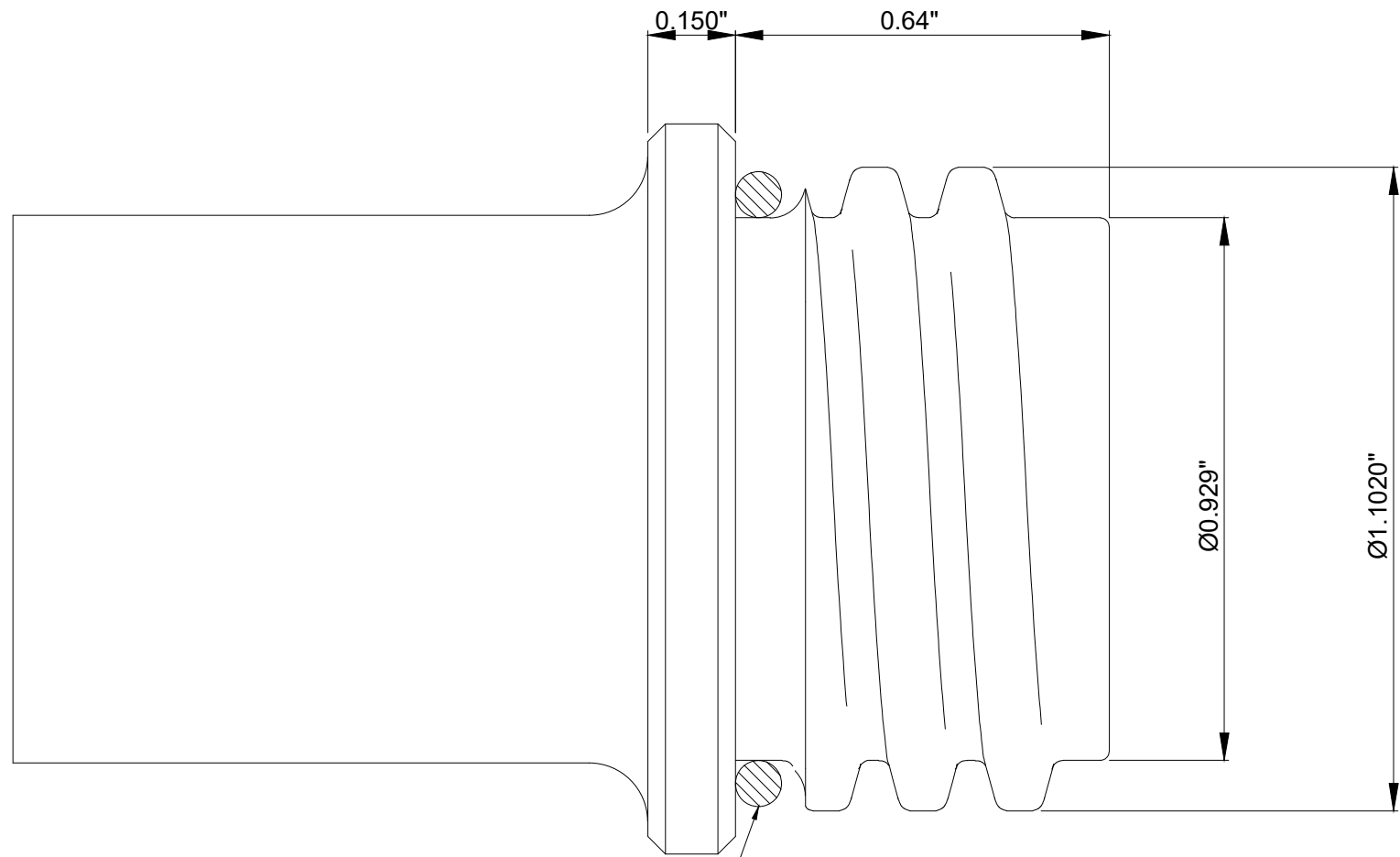
SECTION B-B

THESE SHOP DRAWINGS ILLUSTRATE THE DETAILS OF THE STRUCTURAL TECHNOLOGIES / VSL POST-TENSIONING SYSTEM. THEY WERE PREPARED IN CONFORMANCE WITH THE STRUCTURAL DESIGN PROVIDED TO STRUCTURAL TECHNOLOGIES / VSL BY PROJECT OWNER OR ITS REPRESENTATIVE. STRUCTURAL TECHNOLOGIES / VSL TOOK NO PART IN THE PREPARATION OR REVIEW OF SAID STRUCTURAL DESIGN AND STRUCTURAL TECHNOLOGIES / VSL DISCLAIMS ANY LIABILITY FOR IT. THE STAMP OR SEAL OF A STRUCTURAL TECHNOLOGIES / VSL EMPLOYEE ON THESE SHOP DRAWINGS PERTAINS ONLY TO THE TRANSFER OF THE FORCES REQUIRED BY THE ENGINEER OF RECORD ON THE STRUCTURAL DRAWINGS, AND NOT TO THE ADEQUACY OF THE STRUCTURAL DESIGN. NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ADEQUACY OF THE STRUCTURAL DESIGN IS MADE BY VIRTUE OF ANY SUCH STAMP OR SEAL.

PROJECT INFORMATION:		ISSUED FOR PRODUCTION		DATE
PROJECT NO:	SCALE:	CDL	BY	CHK
SHEET NO:				
SYSTEM DRAWING		DESCRIPTION		
ECI 6-19 ANCHORAGE CAP W/ 3/4" VERTICAL PORT		NO		28JUN2018
TITLE:		NO		DATE
PROJECT INFORMATION:		DESCRIPTION		
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 structural TECHNOLOGIES A Structural Group Company Dallas, TX / Washington, DC / Denver, CO / Pompano Beach, FL PHONE: (817) 545-4877 FAX: (817) 545-4827 WWW.VSL.NET		STRUCTURAL TECHNOLOGIES, LLC DALLAS OFFICE 15600 TRINITY BLVD., SUITE 118 FORT WORTH, TX 76155		
PROJECT NO: --- SCALE: NTS		SHEET NO: C681		



SIDE VIEW



O-RING (PARKER #212)
INSTALL DURING
MANUFACTURING

DETAIL A

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY#
1	-	BEARING PLATE GROUT EXTENSION	WHITE POLYPROPYLENE	02DT0318

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PROJECT INFORMATION:

PROJECT NO:
SYSTEM

SHEET NO:
C714

SCALE:
NTS

SYSTEM DRAWING

23MM BP GROUT EXTENSION DETAILS



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 STRUCTURAL TECHNOLOGIES, LLC
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NO

1

TITLE BLOCK UPDATED

ISSUED FOR CONSTRUCTION

DESCRIPTION

CDL

TV

BY

ZX

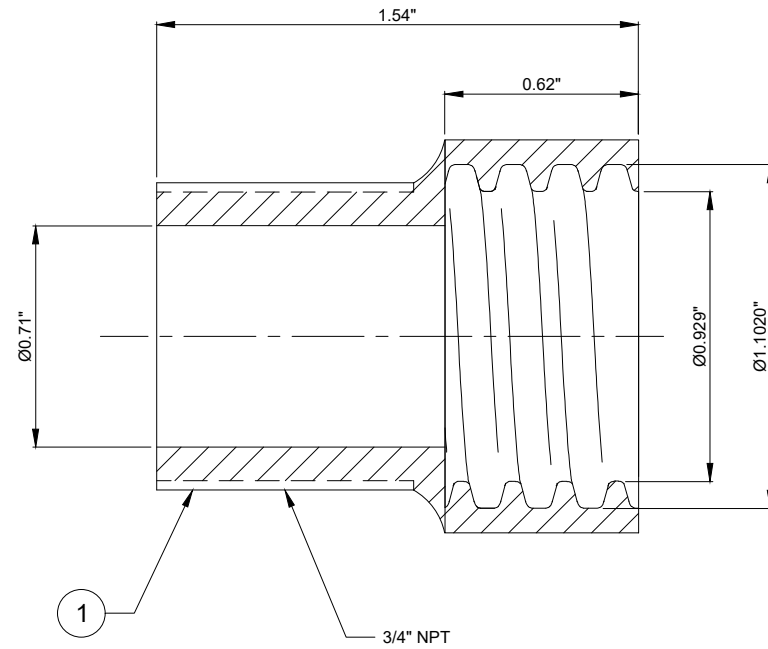
JR

CHK

22JUN2018

24AUG2015

DATE



SECTION VIEW

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY#
1	-	23MM F3/4 FITTING	BLACK POLYPROPYLENE	02DT0316

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960

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PROJECT INFORMATION:

SYSTEM DRAWING

PROJECT NO:
SYSTEM

SCALE:
NTS

SHEET NO:

C715



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 STRUCTURAL TECHNOLOGIES, LLC
 DALLAS OFFICE
 15600 TRINITY BLVD, SUITE 118
 FORT WORTH, TX 76156
 PHONE: (817) 545-4877
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NO

RELEASED FOR CONSTRUCTION

DESCRIPTION

CDL

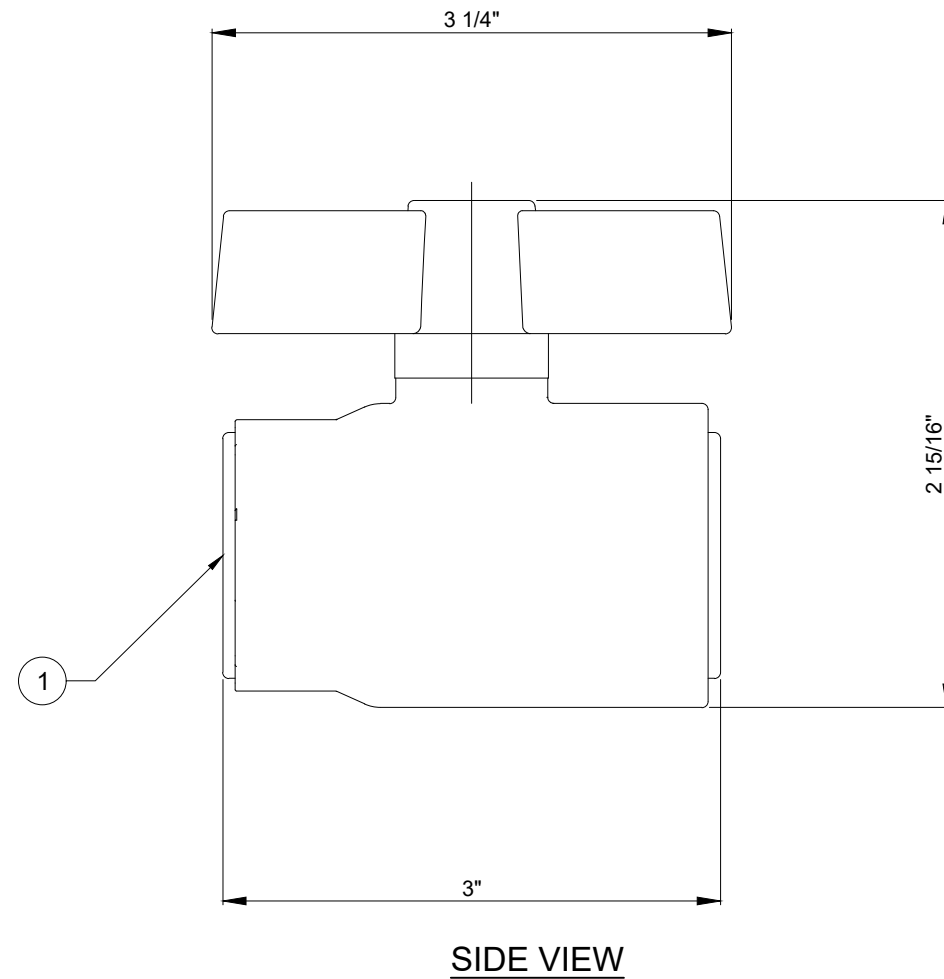
ZX

08FEB2018

BY

CHK

DATE



SIDE VIEW

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY#
1	-	3/4" NPT 1/4 TURN BALL VALVE	SCH 80 PVC	02DT01916

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960

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PROJECT INFORMATION:

PROJECT NO:
SYSTEM

SHEET NO:
C720

SYSTEM DRAWING

TITLE:
3/4" NPT 1/4 TURN BALL VALVE

SCALE:
NTS

structural TECHNOLOGIES
A Structural Group Company

Dallas, TX / Washington, DC / Denver, CO / Pompano Beach, FL

STRUCTURAL TECHNOLOGIES, LLC
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NO

FIRST ISSUE

DESCRIPTION

CDL

ZX

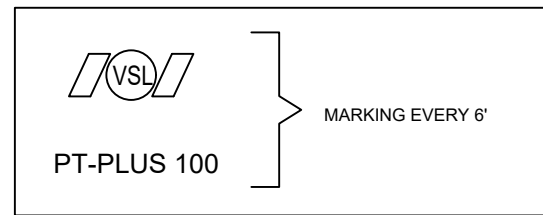
08FEB2018

DATE

BY

CHK

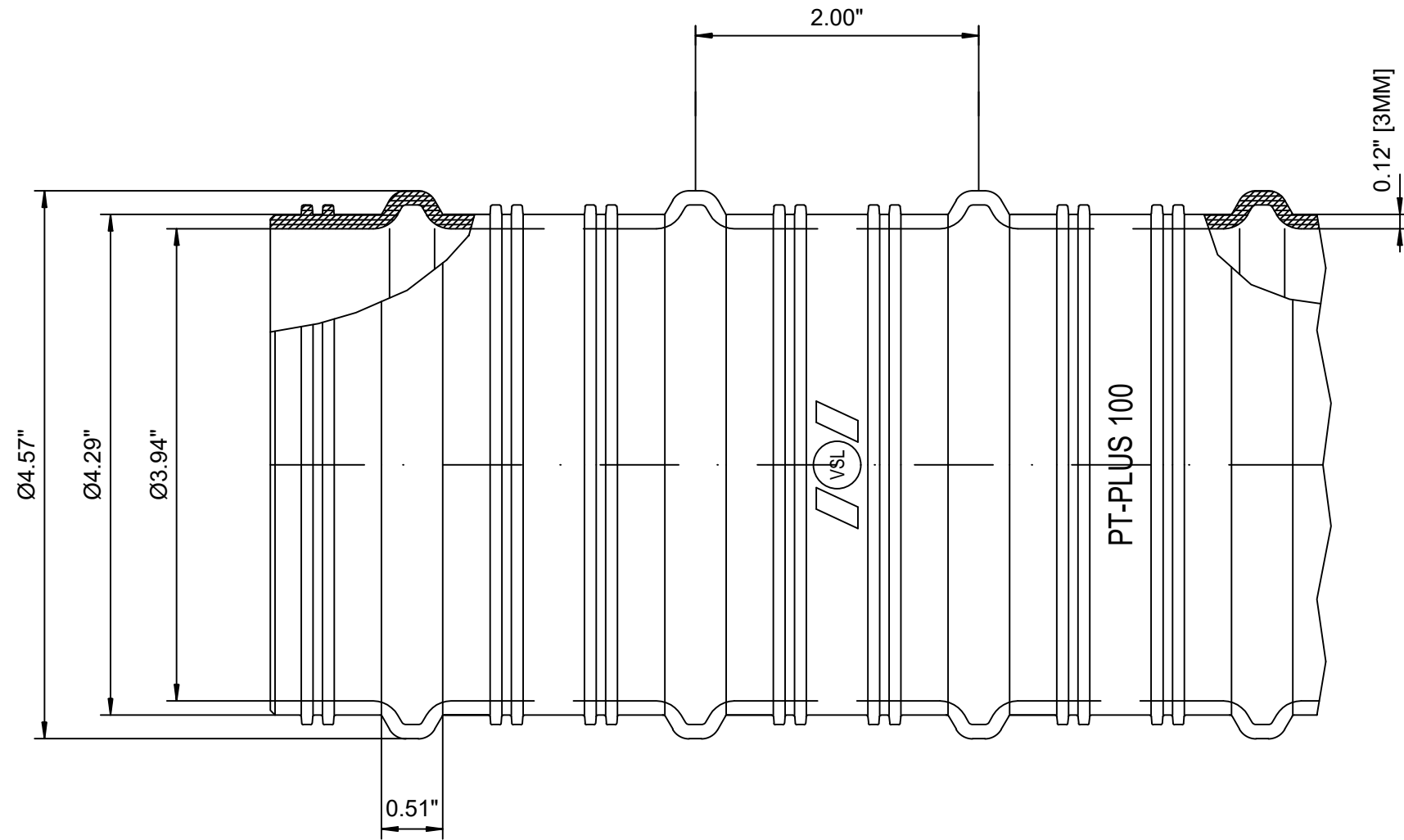
DATE



INVENTORY No. 02DT0443

ITEM	QTY	DESCRIPTION	MATERIAL	REMARKS
1	1	DUCT PT PLUS 100	PP	

MATERIAL: ASTM D4101 POLYPROPYLENE
MINIMUM BENDING RADIUS: 30'



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PROJECT INFORMATION:

PROJECT NO: SYSTEM
SCALE: NTS
SHEET NO: C782

SYSTEM DRAWING

DUCT PT-PLUS 100



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FIRST ISSUE

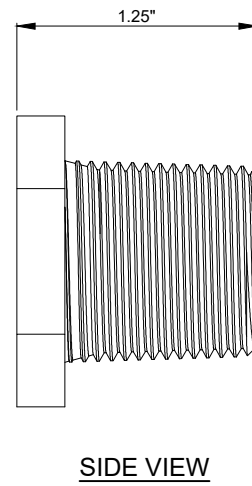
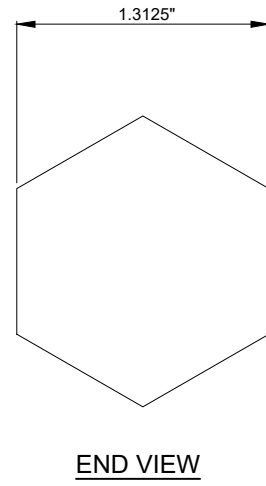
DESCRIPTION

CDL BY

ZX CHK

26JUN2018 DATE

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY#
1	-	3/4" NPT PE PLUG	POLYETHYLENE	02DT01913



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PROJECT INFORMATION:

SYSTEM DRAWING

PROJECT NO:

SCALE: NTS

SHEET NO:

C787

structural TECHNOLOGIES
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FIRST ISSUE

DESCRIPTION

CDL

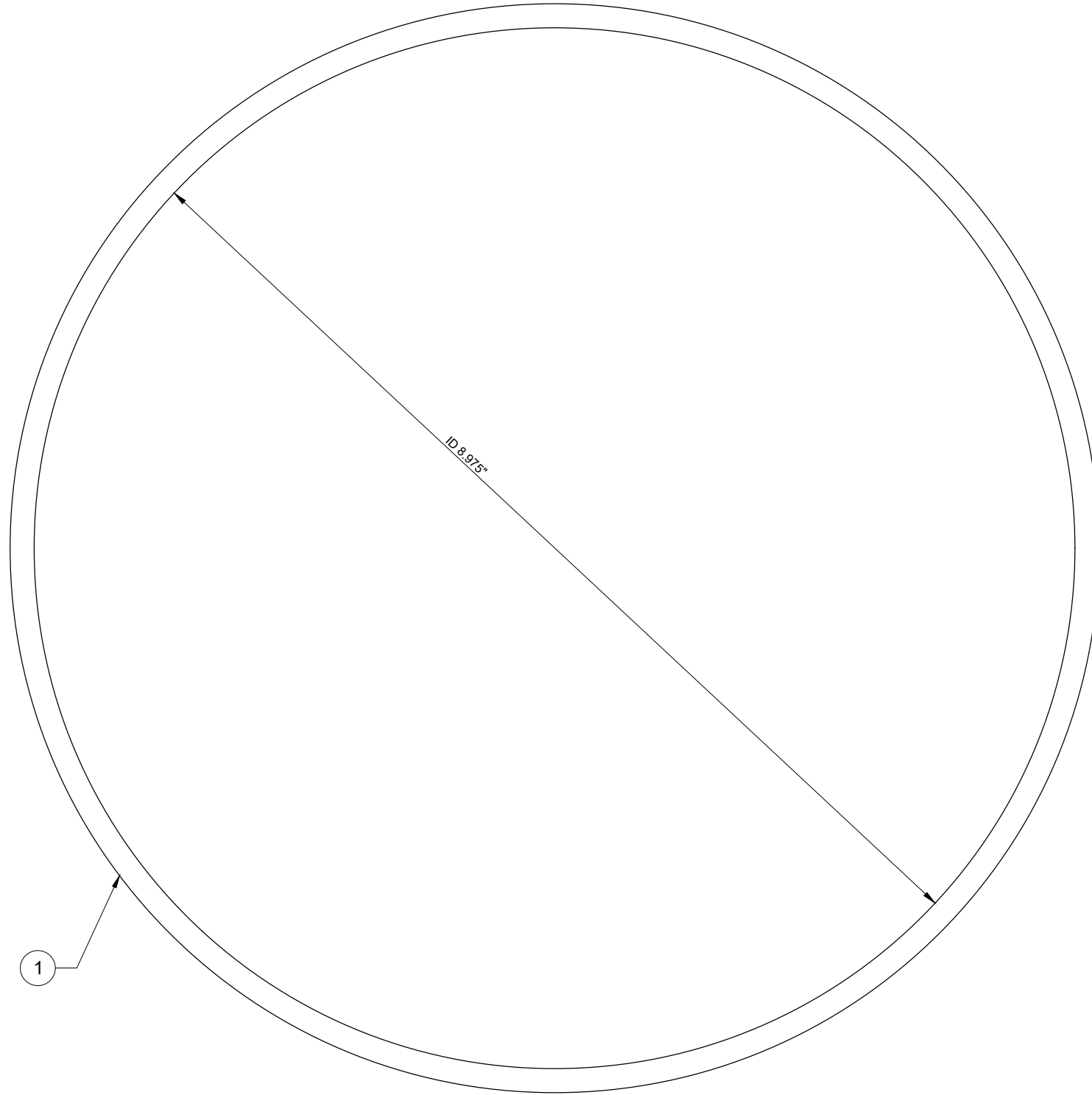
BY

ZX

CHK

13JUN2018

DATE



ITEM	QTY	DESCRIPTION	MATERIAL	SIZE	INVENTORY
1	-	6-19 GROUT CAP O-RING	BUNA-N 70 D	8.975"x9.395"x0.21"	02WX6020

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PROJECT INFORMATION:

PROJECT NO:
SYSTEM

SCALE:
NTS

SHEET NO:

C794

SYSTEM DRAWING

TITLE:
6-19 GROUT CAP BUNA-N 70 D O-RING



Dallas, TX / Washington, DC / Denver, CO / Pompano Beach, FL

STRUCTURAL TECHNOLOGIES, LLC
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NO

FOR APPROVAL

CDL

ZX

DATE

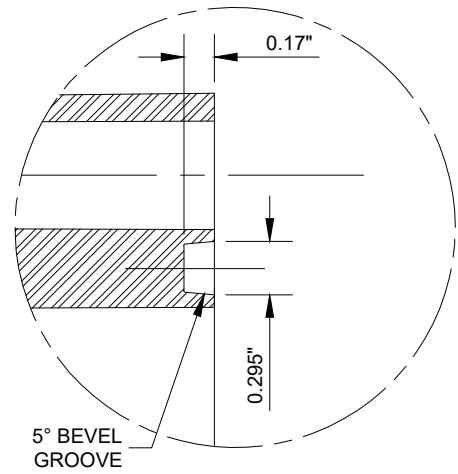
DESCRIPTION

BY

CHK

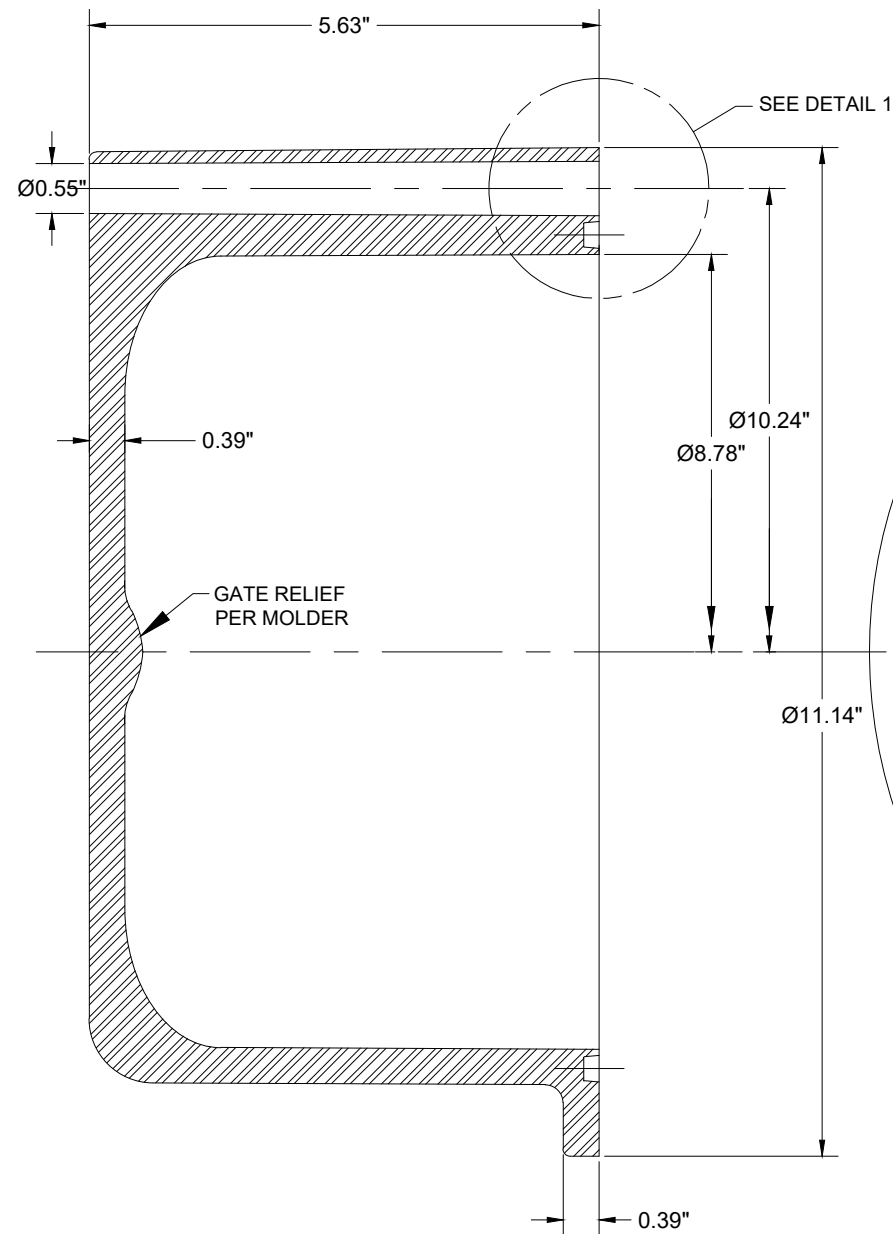
DATE

ELECTRONIC FILE LOCATION: I:\VSL System Drawings\Work in Progress Drawings\Florida DOT Test 2017\EC16-19 Grounted System

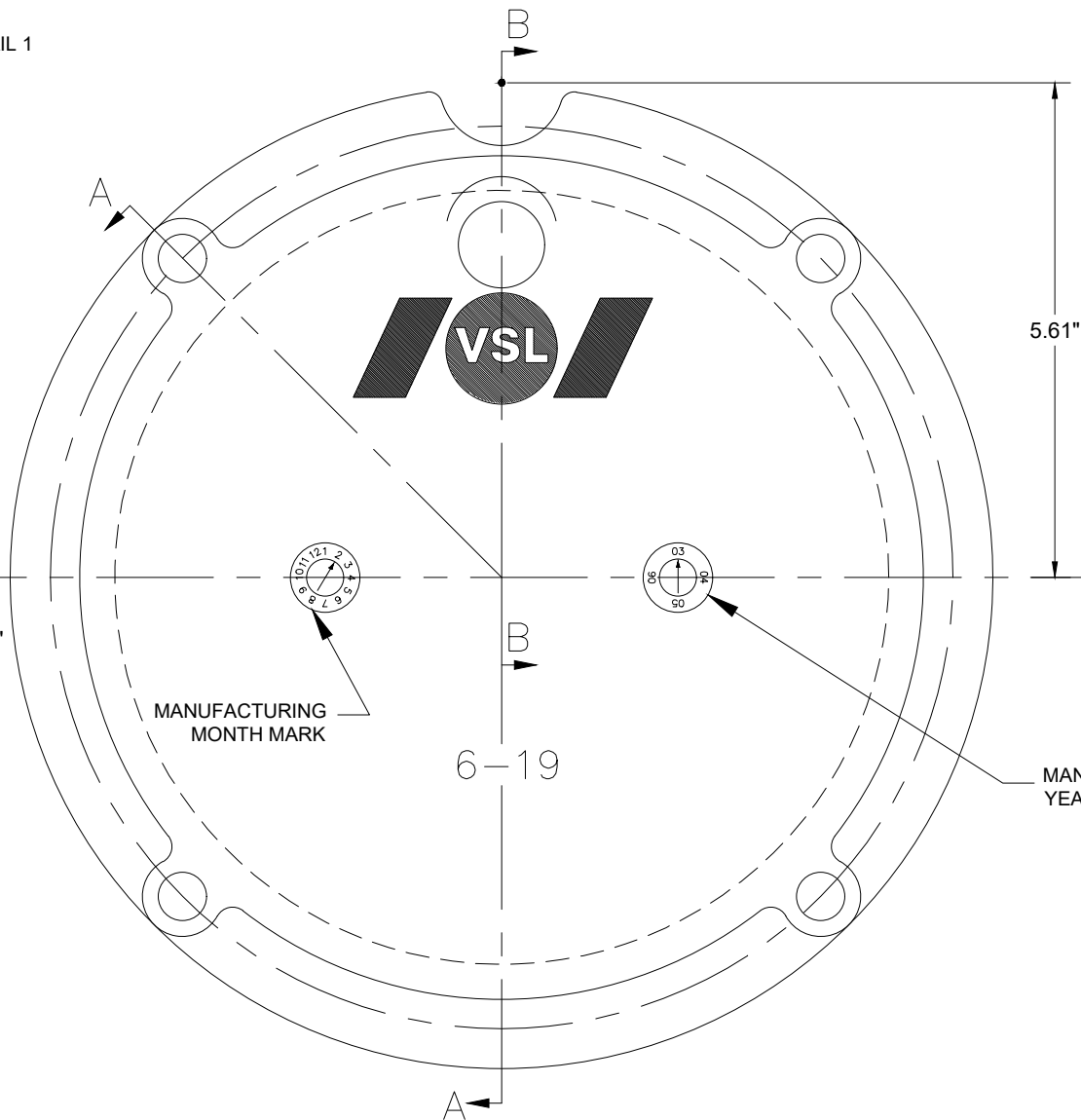


DETAIL 1

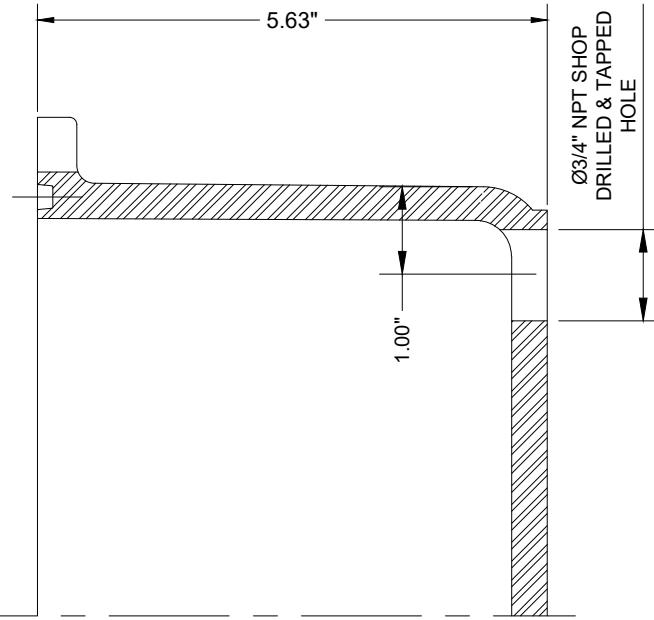
TOLERANCES
 UNLESS OTHERWISE SPECIFIED
 FRACTIONAL _____ ± 1/32
 DECIMAL _____.X ± .030
 _____.XX ± .010
 _____.XXX ± .005
 ANGULAR _____ ± 1/2°
 NOTES:
 1) DIMENSIONS ARE IN INCHES
 2) MATERIAL: ABS LUSTRAN 633
 3) INVENTORY #: 02GC61901V



SECTION A-A



6-19 ANCHORAGE CAP
 LETTERING SHALL BE 0.06" PROUD



SECTION B-B

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PROJECT INFORMATION:		ISSUED FOR PRODUCTION		DATE
SYSTEM DRAWING		DESCRIPTION		14MAR2018
PROJECT NO: --	SCALE: NTS	CDL	BY	CHK
SHEET NO: C798		NO		
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TITLE: EC16-19 GROUT CAP W/ 3/4" HORIZONTAL PORT				